VIIS
Cycle 6

Final Report

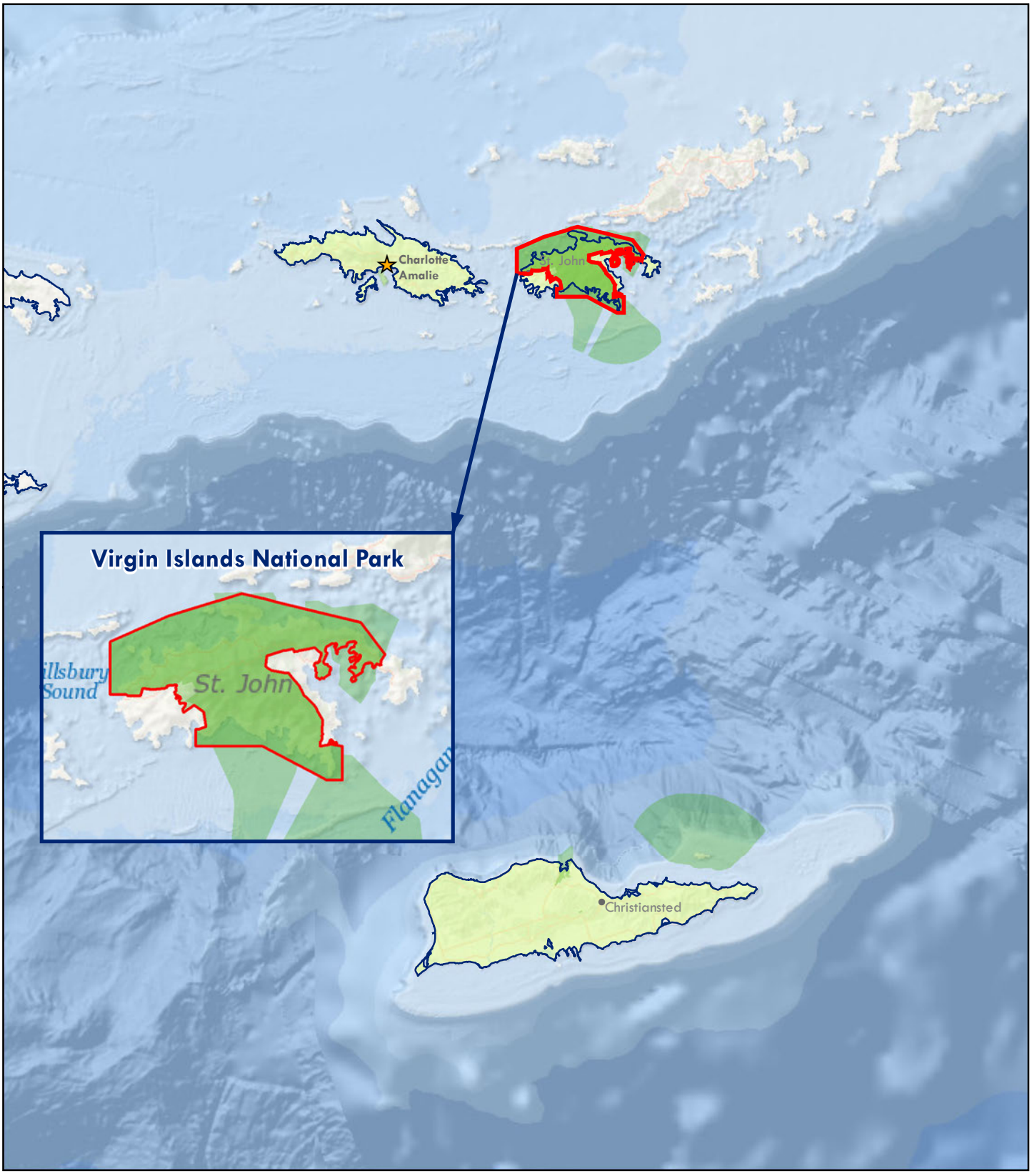
Road Inventory and Condition Assessment of Paved Routes
Virgin Islands National Park

Federal Lands Highway
Road Inventory Program

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

Report Date: February 2023

Virgin Islands National Park
in
Virgin Islands



Sources: Esri, GEBCO, NOAA, National Geographic, Garmin, HERE, Geonames.org, and other contributors
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

Table of Contents

Section 1
Introduction

Virgin Islands National Park

Federal Lands Highway
Road Inventory Program

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 Ashburn, Virginia.

Respectfully,

FHWA RIP Team

FHWA/Eastern Federal Lands
22001 Loudoun County Parkway
Building E-2, Suite 200
Ashburn, VA 20147
(571) 434-1574

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

Section 2
Park Route Inventory

Virgin Islands National Park

Federal Lands Highway
Road Inventory Program

Report Date: 02/08/2023

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

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

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

VIIS *Virgin Islands National Park*

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
0010B	6	1			STATE HIGHWAY 10 (CENTER LINE ROAD)	FROM END OF ROUTE 5010A (US VIRGIN ISLANDS STATE HIGHWAY 10 / CENTER LINE ROAD (WEST SIDE))	TO BEGINNING OF ROUTE 5010C (US VIRGIN ISLANDS STATE HIGHWAY 10 / CENTER LINE ROAD (EAST SIDE))		YES	5.93	0.00	5.93	1		AS	4,5,6,9
0010D	6	1	43956		STATE HIGHWAY 10 (EAST END ROAD)	FROM END OF ROUTE 5010C (US VIRGIN ISLANDS STATE HIGHWAY 10 / CENTER LINE ROAD (EAST SIDE))	TO BEGINNING OF ROUTE 5010E (US VIRGIN ISLANDS STATE HIGHWAY 10 / CENTER LINE ROAD (FAR EAST SIDE))		YES	2.88	0.00	2.88	1		AS	7
0011	6	1	55545		ANNABERG ROAD	FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)	TO END OF LOOP AT RUINS		YES	0.58	0.00	0.58	1		AS	6
0012	6	1	43950		MARY CREEK ROAD	FROM ROUTE 0011 (ANNABERG ROAD)	TO BEGINNING OF ROUTE 0102 (FRANCIS BAY ACCESS)		YES	0.44	0.00	0.44	1		AS	6
0014ZZ	6	1	35910		RED HOOK RECREATIONAL FACILITY ROADS	FROM STATE HIGHWAY 32	TO END OF LOOP		YES	0.56	0.00	0.56	1		AS	1
0017	6	1			STATE HIGHWAY 108 (BORDEAUX MOUNTAIN ROAD)	FROM ROUTE 5002 (BORDEAUX MOUNTAIN ROAD) AT MP 1.97	TO ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD))		YES	2.70	0.00	2.70	1		CO	6
0020ZZ	6	1	36312		STATE HIGHWAY 20 / NORTH SHORE ROAD	FROM WEST PARK BOUNDARY AT PAVEMENT CHANGE AT MONGOOSE JUNCTION	TO ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD))		YES	7.44	0.00	7.44	1		AS	2,3,4,5,6
0100ZZ	6	1	36313		LAMESHUR ROADS	FROM END OF ROUTE 5001 (US VIRGIN ISLANDS STATE HIGHWAY 107)	TO RESIDENCE		YES	1.05	1.05	2.10	3		CO	8
0102	6	1	34409		FRANCIS BAY ACCESS	FROM END OF ROUTE 0012 (MARY CREEK ROAD)	TO ROUTE 0937 (FRANCIS BAY BEACH PARKING)		NO	0.09	0.09	0.18	2		CO	6

Report Date: 02/08/2023

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

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

VIIS *Virgin Islands National Park*

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
0103	6	1			STATE HIGHWAY 206 (JOHN HEAD ROAD) SECTION A	FROM ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD)) ON RIGHT	TO ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)		NO	1.20	0.10	1.30	2		CO	5
0104	6	1			STATE HIGHWAY 204 (SUSANNABERG ROAD)	FROM PRIVATE PARKING AREA	TO ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD))		NO	0.66	0.01	0.66	2		CO	4
0106	6	1			VIERS CAMP ROAD	FROM ROUTE 0100ZZ (LAMESHUR ROADS) UNPAVED SECTION	TO RETAINING POND		NO	0.00	0.24	0.24	2		GR	8
0200	6	1	110720		CRUZ BAY SEA PLANE RAMP ROAD	FROM ROUTE 0203 (CRUZ BAY VISITOR CENTER ROAD)	TO ROUTE 0946 (CRUZ BAY BOAT PARKING)		NO	0.00	0.21	0.21	3		GR	2
0201	5	1		■	CANEEL ENTRANCE ROAD	FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)	TO BEGINNING OF ROUTE 0419ZZ (CANEEL WEST DRIVE ROADS) AND ROUTE 0418ZZ (CANEEL MANAGER ROADS) ON RIGHT	CANEEL BAY	YES	0.19	0.00	0.19	3		AS	3
0202	6	1			CINNAMON BAY ROAD	FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)	TO ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)		YES	0.10	0.00	0.10	3		AS	5
0203	6	1	43954		CRUZ BAY VISITOR CENTER ROAD	FROM STATE HIGHWAY 20	TO ROUTE 0901ZZ (CRUZ BAY VISITOR CENTER PARKING)		YES	0.14	0.00	0.14	3		AS	2
0204	6	1			MANDAL LOOP DRIVE	FROM ROUTE 0100ZZ (LAMESHUR ROADS)	TO ROUTE 0100ZZ (LAMESHUR ROADS)		NO	0.00	0.75	0.75	4		GR	8
0205	6	1			GROOTPAN ACCESS DRIVE	FROM ROUTE 0204 (MANDAL LOOP DRIVE)	TO END		NO	0.00	0.24	0.24	4		GR	8
0206	6	1			KIDDEL ACCESS DRIVE	FROM ROUTE 0205 (GROOTPAN ACCESS DRIVE)	TO END		NO	0.00	0.08	0.08	4		GR	8

Report Date: 02/08/2023

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

Yellow = Unpaved Routes, DCV not Driven

Blue = Paved Parking Areas

Green = Unpaved Parking Areas

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

VIIS *Virgin Islands National Park*

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
0400	6	1	32752		LIND POINT RESIDENCE ROAD	FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)	TO ROUTE 0902ZZ (LIND POINT VIRGIN ISLANDS BIOSPHERE RESERVE PARKING)		YES	0.16	0.00	0.16	5		AS	2
0402	6	1	43953		TRUNK BAY RESIDENCE ACCESS A	FROM ROUTE 0905 (TRUNK BAY PARKING)	TO END		NO	0.15	0.00	0.15	6		CO	4
0404ZZ	6	1	33527		CINNAMON BAY DANISH WAREHOUSE ROADS	FROM ROUTE 0202 (CINNAMON BAY ROAD)	TO BEACH AT MP 0.10		NO	0.06	0.04	0.10	6		AS	5
0408	NC		37278		SALT POND ROAD	FROM ROUTE 0100ZZ (LAMESHUR ROADS) ON RIGHT	TO BEACH		NO	0.00	0.24	0.24	6		GR	8
0409	6	1	33504		CNB LITTLE CINNAMON ENTRANCE ROAD	FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD) ON LEFT	TO RESIDENCE		NO	0.09	0.00	0.09	6		AS	5
0410	6	1	34404		MAHO BAY 178 ISLAND FANCY ROAD	FROM MAHO ROAD	TO RESIDENCE		NO	0.04	0.00	0.04	6		CO	6
0411	6	1	35720		CALLAHAN DRIVEWAY	FROM ROUTE 0103 (STATE HIGHWAY 206 (JOHN HEAD ROAD) SECTION A)	TO RESIDENCE		NO	0.15	0.00	0.15	6		CO	5
0413	6	1	33334		LYNE HOUSE ROAD	FROM END OF ROUTE 0419ZZ (CANEEL WEST DRIVE ROADS)	TO END OF LOOP		NO	0.04	0.00	0.04	6		CO	2
0414	NC		35727		LYNCH DRIVEWAY	FROM ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD))	TO RESIDENCE		NO	0.00	0.08	0.08	6		OT	5
0416	NC				SHOOTING RANGE ROAD	FROM ROUTE 0010D (STATE HIGHWAY 10 (EAST END ROAD))	TO ROUTE 0920 (SHOOTING RANGE PARKING) AT RANGE		NO	0.00	0.07	0.07	6		GR	7
0417	NC				LAMESHUR BAY - VIERS STATION ROAD	FROM ROUTE 0100ZZ (LAMESHUR ROADS) UNPAVED SECTION	TO ROUTE 0909 (VIERS PARKING)		NO	0.00	0.14	0.14	5		GR	8

Report Date: 02/08/2023

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

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

VIIS *Virgin Islands National Park*

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
0418ZZ	5	1			CANEEL MANAGER ROADS	FROM ROUTE 0419ZZ (CANEEL WEST DRIVE ROADS) ON LEFT AND END OF ROUTE 0201 (CANEEL ENTRANCE ROAD) ON RIGHT	TO DEAD END	CANEEL BAY	NO	0.23	0.00	0.23	6		AS	3
0419ZZ	6	1			CANEEL WEST DRIVE ROADS	FROM END OF ROUTE 0201 (CANEEL ENTRANCE ROAD) AND BEGINNING OF ROUTE 0418ZZ (CANEEL MANAGER ROADS)	TO BEGINNING OF ROUTE 0413 (LYNE HOUSE ROAD) AT MP 0.67	CANEEL BAY	NO	0.23	0.43	0.66	6		AS	2,3
0420ZZ	5	1			CANEEL MAINTENANCE ROADS	FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)	TO ROUTE 0419ZZ (CANEEL WEST DRIVE ROADS)	CANEEL BAY	NO	0.20	0.00	0.20	6		AS	3
0421	5	1			CANEEL MAINTENANCE SPUR ROAD	FROM ROUTE 0420ZZ (CANEEL MAINTENANCE ROADS)	TO ROUTE 0933ZZ (CANEEL MAINTENANCE PARKING)	CANEEL BAY	NO	0.10	0.00	0.10	6		CO	3
0422	5	1			TURTLE POINT DRIVE	FROM ROUTE 0419ZZ (CANEEL WEST DRIVE ROADS)	TO END OF LOOP	CANEEL BAY	NO	0.69	0.00	0.69	6		AS	3
0423	5	1			BASKETBALL HOOP ROAD	FROM ROUTE 0422 (TURTLE POINT DRIVE)	TO END OF LOOP	CANEEL BAY	NO	0.10	0.00	0.10	6		AS	3
0425ZZ	5	1			CANEEL WWTP ROADS	FROM ROUTE 0418ZZ (CANEEL MANAGER ROADS)	TO END OF LOOP AT WWTP AT MP 0.18	CANEEL BAY	NO	0.08	0.12	0.19	6		AS	3
0426	5	1			KITCHEN BEACH TERRACE LOOP	FROM ROUTE 0422 (TURTLE POINT DRIVE) AT MP 0.03 MILES ON LEFT	TO ROUTE 0422 (TURTLE POINT DRIVE)	CANEEL BAY	NO	0.04	0.00	0.04	6		AS	3
0427	NC				CANEEL HILL ROAD	FROM ROUTE 0419ZZ (CANEEL WEST DRIVE ROADS)	TO END	CANEEL BAY	NO	0.00	0.08	0.08	6		GR	2,3
0428	5	1			HAWKSNEST (ROOMS 106-129)	FROM ROUTE 0422 (TURTLE POINT DRIVE)	TO END	CANEEL BAY	NO	0.05	0.00	0.05	6		CO	3
0429	5	1			SCOTT BEACH ROADS (ROOMS 67-86)	FROM ROUTE 0422 (TURTLE POINT DRIVE)	TO END	CANEEL BAY	NO	0.07	0.00	0.07	6		AS	3
0431ZZ	5	1			FIGURE EIGHT LOOP ROADS	FROM ROUTE 0422 (TURTLE POINT DRIVE)	TO END OF LOOP	CANEEL BAY	NO	0.48	0.00	0.48	6		AS	3

Report Date: 02/08/2023

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

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

VIIS *Virgin Islands National Park*

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
0432ZZ	NC				CINNAMON BEACH ROADS	FROM ROUTE 0404ZZ (CINNAMON BAY DANISH WAREHOUSE ROADS)	TO END		NO	0.00	0.32	0.32	6		GR	5
0433	NC				TRUNK BAY NATURAL LANDFILL	FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)	TO REFUSE PILE		NO	0.00	0.10	0.10	6		GR	4
0434ZZ	6	1			WINTBERG PROPERTY ROADS	FROM SKYLINE DRIVE	TO END		NO	0.00	0.11	0.11	6		GR	KEY
0435ZZ	NC				WATER CATCHMENT ROADS	FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)	TO END		NO	0.00	0.39	0.39	6		NV	3,4

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
5001	5	1			US VIRGIN ISLANDS STATE HIGHWAY 107	FROM ROUTE 5010C (US VIRGIN ISLANDS STATE HIGHWAY 10 / CENTER LINE ROAD (EAST SIDE))	TO BEGINNING OF ROUTE 0100ZZ (LAMESHUR ROADS)		NO	3.59	0.00	3.59			AS	7,8
5002	5	1			BORDEAUX MOUNTAIN ROAD	FROM END OF ROUTE 0017 (STATE HIGHWAY 108 (BORDEAUX MOUNTAIN ROAD))	TO ROUTE 5001 (US VIRGIN ISLANDS STATE HIGHWAY 107)		NO	0.40	0.00	0.40			AS	6,7
5003	5	1			US VIRGIN ISLANDS STATE HIGHWAY 104 / REEF BAY ROAD (MARINA DRIVE)	FROM ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD)) AND BEGINNING OF ROUTE 0017 (STATE HIGHWAY 108 (BORDEAUX MOUNTAIN ROAD) ON RIGHT	TO END		NO	3.84	0.00	3.84			CO	9

Report Date: 02/08/2023

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

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

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

VIIS *Virgin Islands National Park*

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
5010A	5	1			US VIRGIN ISLANDS STATE HIGHWAY 10 / CENTER LINE ROAD (WEST SIDE)	FROM STATE HIGHWAY 201	TO BEGINNING OF ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD))		NO	1.37	0.00	1.37			AS	2,9
5010C	5	1			US VIRGIN ISLANDS STATE HIGHWAY 10 / CENTER LINE ROAD (EAST SIDE)	FROM END OF ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD))	TO BEGINNING OF ROUTE 0010D (STATE HIGHWAY 10 (EAST END ROAD))		NO	0.91	0.00	0.91			AS	6,7
5010E	5	1			US VIRGIN ISLANDS STATE HIGHWAY 10 / CENTER LINE ROAD (FAR EAST SIDE)	FROM END OF ROUTE 0010D (STATE HIGHWAY 10 (EAST END ROAD))	TO END OF STATE HIGHWAY 10		NO	0.95	0.00	0.95			AS	7

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
0900	6	1	35896		CRUZ BAY MAINTENANCE PARKING	FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)	TO PARKING		NO	NONPUBLIC	25,434	AS	2
0901ZZ	6	1	35890		CRUZ BAY VISITOR CENTER PARKING	ADJACENT TO ROUTE 0203 (CRUZ BAY VISITOR CENTER ROAD)			NO	NONPUBLIC	8,193	AS	2
0902ZZ	6	1	33298		LIND POINT VIRGIN ISLANDS BIOSPHERE RESERVE PARKING	FROM ROUTE 0400 (LIND POINT RESIDENCE ROAD)	TO PARKING		NO	NONPUBLIC	2,208	AS	2
0903	6	1	33346		HAWKSNEST BEACH PARKING	FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)	TO ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)		YES	PUBLIC	11,167	AS	3
0904	6	1	33496		PEACE HILL PARKING	FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)	TO PARKING		YES	PUBLIC	2,542	AS	4
0905	6	1	33354		TRUNK BAY PARKING	FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)	TO ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)		YES	PUBLIC	14,562	AS	4
0906	6	1	33529	■	CINNAMON BAY PARKING	FROM ROUTE 0202 (CINNAMON BAY ROAD)	TO ROUTE 0936 (CINNAMON BAY GRAVEL PARKING)		YES	PUBLIC	15,626	AS	5

Report Date: 02/08/2023

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

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

VIIS *Virgin Islands National Park*

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
0907	6	1	33644		MAHO BAY PARKING	ADJACENT TO ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)			YES	PUBLIC	2,663	AS	6
0908	NC		37277		SALT POND PARKING	ADJACENT TO ROUTE 0408 (SALT POND ROAD)			NO	NONPUBLIC	2,203	GR	8
0909	NC		34456		VIERS PARKING	FROM END OF ROUTE 0417 (LAMESHUR BAY - VIERS STATION ROAD)	TO PARKING		NO	PUBLIC	1,074	GR	8
0910	6	1	35877		CRUZ BAY VISITOR CENTER 15 MINUTE PARKING	FROM STATE HIGHWAY 20	TO PARKING		YES	PUBLIC	3,206	AS	2
0911ZZ	6	1	33349		JUMBIE BEACH PARKING	ADJACENT TO ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD) ON RIGHT			YES	PUBLIC	1,907	AS	4
0912	6	1	34422		ANNABERG SUGAR MILL PARKING	FROM ROUTE 0011 (ANNABERG ROAD)	TO PARKING		YES	PUBLIC	6,736	AS	6
0913ZZ	6	1	34410		FRANCIS BAY TRAIL PARKING	ADJACENT TO ROUTE 0012 (MARY CREEK ROAD) ON RIGHT			YES	PUBLIC	1,985	AS	6
0914ZZ	6	1	35907		RED HOOK PARKING	FROM ROUTE 0014ZZ (RED HOOK RECREATIONAL FACILITY ROADS)	TO PARKING		YES	PUBLIC	17,550	AS	1
0915	NC		33299		LIND POINT VISITORS A PARKING	ADJACENT TO ROUTE 0400 (LIND POINT RESIDENCE ROAD) ON RIGHT			NO	PUBLIC	611	GR	2
0916	6	1			CANEEL HILL TRAIL PARKING	ADJACENT TO ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD)) ON LEFT			NO	PUBLIC	529	GR	9
0917	6	1	256838		LE' ESPERANCE TRAIL PARKING	ADJACENT TO ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD)) ON RIGHT			NO	PUBLIC	2,891	GR	5
0918	6	1			CINNAMON BAY TRAIL PARKING	ADJACENT TO ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD)) ON RIGHT			NO	PUBLIC	5,158	GR	5

Report Date: 02/08/2023

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

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

VIIS *Virgin Islands National Park*

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
0919	6	1			REEF BAY TRAIL PARKING	ADJACENT TO ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD)) ON RIGHT			NO	PUBLIC	2,430	GR	6
0920	NC				SHOOTING RANGE PARKING	ADJACENT TO ROUTE 0416 (SHOOTING RANGE ROAD)			NO	NONPUBLIC	707	GR	7
0921	6	1			PRINCESS BAY PARKING	ADJACENT TO ROUTE 0010D (STATE HIGHWAY 10 (EAST END ROAD)) ON RIGHT			NO	PUBLIC	1,086	GR	7
0922	NC				MENNEBECK BAY OVERLOOK	ADJACENT TO ROUTE 0010D (STATE HIGHWAY 10 (EAST END ROAD)) ON LEFT			NO	PUBLIC	2,282	GR	7
0923	NC				HAULOVER BAY PARKING	ADJACENT TO ROUTE 0010D (STATE HIGHWAY 10 (EAST END ROAD)) ON LEFT			NO	PUBLIC	555	GR	7
0924	6	1			MAHO CORNER PARKING	FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)	TO PARKING		NO	PUBLIC	14,199	GR	6
0925	6	1			MAHO BAY OVERLOOK	ADJACENT TO ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)			YES	PUBLIC	1,211	AS	5
0927	6	1			CANEEL BAY OVERLOOK PARKING	ADJACENT TO ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)			YES	PUBLIC	1,033	AS	2
0930	5	1		■	TURTLE POINT MAINTENANCE PARKING	FROM ROUTE 0422 (TURTLE POINT DRIVE)	TO PARKING	CANEEL BAY	NO	NONPUBLIC	6,241	CO	3
0931	5	1		■	CANEEL PAID PARKING	FROM ROUTE 0201 (CANEEL ENTRANCE ROAD)	TO PARKING	CANEEL BAY	NO	NONPUBLIC	8,488	AS	3
0932	5	1		■	CANEEL EMPLOYEE PARKING	FROM ROUTE 0201 (CANEEL ENTRANCE ROAD)	TO PARKING	CANEEL BAY	NO	NONPUBLIC	18,547	AS	3
0933ZZ	5	1		■	CANEEL MAINTENANCE PARKING	FROM ROUTE 0421 (CANEEL MAINTENANCE SPUR ROAD)	TO PARKING	CANEEL BAY	NO	NONPUBLIC	16,691	CO	3
0934	6	1			CENTERLINE OVERLOOK	ADJACENT TO ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD))			YES	PUBLIC	967	AS	5

Report Date: 02/08/2023

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

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

VIIS *Virgin Islands National Park*

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
0935	NC				CATHERINEBERG PARKING	FROM ROUTE 0103 (STATE HIGHWAY 206 (JOHN HEAD ROAD) SECTION A)	TO PARKING		NO	PUBLIC	706	GR	5
0936	NC				CINNAMON BAY GRAVEL PARKING	FROM ROUTE 0202 (CINNAMON BAY ROAD)	TO ROUTE 0906 (CINNAMON BAY PARKING)		NO	PUBLIC	13,484	GR	5
0937	6	1			FRANCIS BAY BEACH PARKING	FROM END OF ROUTE 0102 (FRANCIS BAY ACCESS)	TO PARKING		NO	PUBLIC	3,485	SA	6
0938ZZ	NC				LIND POINT HOUSING PARKING	ADJACENT TO ROUTE 0400 (LIND POINT RESIDENCE ROAD) ON RIGHT			NO	NONPUBLIC	1,789	GR	2
0941	NC				LAMESHUR BAY TRAIL / RUINS PARKING	ADJACENT TO ROUTE 0100ZZ (LAMESHUR ROADS)			NO	PUBLIC	2,151	GR	8
0942ZZ	6	1			TEKTITE TRAIL PARKING AREAS	ADJACENT TO ROUTE 0100ZZ (LAMESHUR ROADS)			NO	PUBLIC	2,703	GR	8
0945	6	1			JOHNNY HORN TRAIL PARKING	FROM ROUTE 5010C (US VIRGIN ISLANDS STATE HIGHWAY 10 / CENTER LINE ROAD (EAST SIDE)) ON LEFT	TO PARKING		NO	PUBLIC	4,423	GR	7
0946	6	1			CRUZ BAY BOAT PARKING	FROM END OF ROUTE 0200 (CRUZ BAY SEA PLANE RAMP ROAD)	TO PARKING		YES	PUBLIC	7,913	CO	2
0947	5	1			M' OCEAN STUDIO PARKING	ADJACENT TO ROUTE 0419ZZ (CANEEL WEST DRIVE ROADS) ON RIGHT		CANEEL BAY	NO	NONPUBLIC	649	AS	3
0948	5	1			GIFT SHOP PARKING	ADJACENT TO ROUTE 0419ZZ (CANEEL WEST DRIVE ROADS) ON RIGHT		CANEEL BAY	NO	NONPUBLIC	1,050	AS	3
0949	5	1			DAY CHANGING ROOMS A PARKING	ADJACENT TO ROUTE 0419ZZ (CANEEL WEST DRIVE ROADS) ON RIGHT		CANEEL BAY	NO	NONPUBLIC	676	AS	3
0950	5	1			DAY CHANGING ROOMS B PARKING	ADJACENT TO ROUTE 0419ZZ (CANEEL WEST DRIVE ROADS) ON LEFT		CANEEL BAY	NO	NONPUBLIC	1,565	AS	3
0951	5	1			CANEEL MAINTENANCE H PARKING	ADJACENT TO ROUTE 0420ZZ (CANEEL MAINTENANCE ROADS) ON RIGHT		CANEEL BAY	NO	NONPUBLIC	703	AS	3
0952	5	1			CANEEL LOADING DOCK PARKING	ADJACENT TO ROUTE 0420ZZ (CANEEL MAINTENANCE ROADS) ON LEFT		CANEEL BAY	NO	NONPUBLIC	4,557	CO	3

Report Date: 02/08/2023

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

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

VIIS *Virgin Islands National Park*

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
0953	5	1			CANEEL MAINTENANCE B PARKING	ADJACENT TO ROUTE 0420ZZ (CANEEL MAINTENANCE ROADS) ON RIGHT		CANEEL BAY	NO	NONPUBLIC	531	AS	3
0954	5	1			CANEEL MAINTENANCE I PARKING	ADJACENT TO ROUTE 0420ZZ (CANEEL MAINTENANCE ROADS) ON RIGHT		CANEEL BAY	NO	NONPUBLIC	895	AS	3
0955	5	1			GENERATOR PARKING	FROM ROUTE 0420ZZ (CANEEL MAINTENANCE ROADS) ON RIGHT	TO PARKING	CANEEL BAY	NO	NONPUBLIC	1,219	AS	3
0956	5	1			LAUNDRY PARKING	FROM ROUTE 0420ZZ (CANEEL MAINTENANCE ROADS) ON RIGHT	TO PARKING	CANEEL BAY	NO	NONPUBLIC	2,812	CO	3
0957	5	1			CANEEL MAINTENANCE D PARKING	FROM ROUTE 0420ZZ (CANEEL MAINTENANCE ROADS) ON RIGHT	TO PARKING	CANEEL BAY	NO	NONPUBLIC	491	CO	3
0958	5	1			BASKETBALL HOOP PARKING	ADJACENT TO ROUTE 0423 (BASKETBALL HOOP ROAD) ON LEFT		CANEEL BAY	NO	NONPUBLIC	1,037	AS	3
0959ZZ	5	1			TURTLE POINT PARKING AREAS	ADJACENT TO ROUTE 0422 (TURTLE POINT DRIVE)		CANEEL BAY	NO	NONPUBLIC	1,606	CO	3
0960ZZ	5	1			SCOTT BEACH PARKING	FROM ROUTE 0429 (SCOTT BEACH ROADS (ROOMS 67-86))	TO PARKING	CANEEL BAY	NO	NONPUBLIC	4,220	AS	3
0961	5	1			KITCHEN BEACH TERRACE PARKING	FROM ROUTE 0426 (KITCHEN BEACH TERRACE LOOP)	TO PARKING	CANEEL BAY	NO	NONPUBLIC	4,811	CO	3
0962ZZ	5	1			SUGAR MILL PARKING	ADJACENT TO ROUTE 0418ZZ (CANEEL MANAGER ROADS) ON RIGHT AND LEFT		CANEEL BAY	NO	NONPUBLIC	2,251	AS	3
0963	6	1			CENTER LINE PARKING	ADJACENT TO ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD))			YES	PUBLIC	1,733	AS	6
0965	6	1			GREAT SEIBAN TRAIL PARKING	ADJACENT TO SKYTOP ROAD			YES	PUBLIC	149	CO	9
0967	6	1	35711		MONTAQUE HOUSE DRIVEWAY	FROM ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD))	TO RESIDENCE		NO	NONPUBLIC	1,285	AS	5

Report Date: 02/08/2023

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

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

Cycle 6 Summary Totals for Virgin Islands National Park

Cycle 6 Route Totals

	NPS Maintained	Concessionaire Maintained	Park Totals
Paved Roads, Data Collection Vehicle Rated (Miles)	0	2.33	**2.33**
Paved Roads, Manually Rated Length (Miles)	24.48	0.13	**24.61**
Paved Roads, Manually Rated Area (Sq. Ft.)	0	0	**0**
Unpaved Roads (Miles)	4.24	0.63	**4.87**
Paved Parking (Sq. Ft.)	102,649	104,461	**207,110**
Unpaved Parking (Sq. Ft.)	62,466	0	**62,466**

Cycle 6 Lane Miles and Overall Pavement Condition

	Lanes Miles*	Pavement Condition Rating**
Data Collection Vehicle Routes	2.95	N/A
Manually Rated Roads	40.19	60
Parking Areas	3.57	57

* 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: 02/08/2023

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

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

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: 02/08/2023

NPS / RIP Subcomponent Details for VIIS

(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

= Concession Route

Yellow = Unpaved Routes, DCV not Driven

Blue = Paved Parking Areas

Green = Unpaved Parking Areas

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

VIIS *Virgin Islands National Park*

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)
0014ZZ	35910	6	1		RED HOOK RECREATIONAL FACILITY ROADS	FROM STATE HIGHWAY 32	TO END OF LOOP	YES	0.56	0.00	0.56	1	
0020ZZ	36312	6	1		STATE HIGHWAY 20 / NORTH SHORE ROAD	FROM WEST PARK BOUNDARY AT PAVEMENT CHANGE AT MONGOOSE JUNCTION	TO ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD))	YES	7.44	0.00	7.44	1	
0100ZZ	36313	6	1		LAMESHUR ROADS	FROM END OF ROUTE 5001 (US VIRGIN ISLANDS STATE HIGHWAY 107)	TO RESIDENCE	YES	1.05	1.05	2.10	3	
0404ZZ	33527	6	1		CINNAMON BAY DANISH WAREHOUSE ROADS	FROM ROUTE 0202 (CINNAMON BAY ROAD)	TO BEACH AT MP 0.10	NO	0.06	0.04	0.10	6	
0418ZZ		5	1	■	CANEEL MANAGER ROADS	FROM ROUTE 0419ZZ (CANEEL WEST DRIVE ROADS) ON LEFT AND END OF ROUTE 0201 (CANEEL ENTRANCE ROAD) ON RIGHT	TO DEAD END	NO	0.23	0.00	0.23	6	
0419ZZ		6	1	■	CANEEL WEST DRIVE ROADS	FROM END OF ROUTE 0201 (CANEEL ENTRANCE ROAD) AND BEGINNING OF ROUTE 0418ZZ (CANEEL MANAGER ROADS)	TO BEGINNING OF ROUTE 0413 (LYNE HOUSE ROAD) AT MP 0.67	NO	0.23	0.43	0.66	6	
0420ZZ		5	1	■	CANEEL MAINTENANCE ROADS	FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)	TO ROUTE 0419ZZ (CANEEL WEST DRIVE ROADS)	NO	0.20	0.00	0.20	6	
0425ZZ		5	1	■	CANEEL WWTP ROADS	FROM ROUTE 0418ZZ (CANEEL MANAGER ROADS)	TO END OF LOOP AT WWTP AT MP 0.18	NO	0.08	0.12	0.19	6	
0431ZZ		5	1	■	FIGURE EIGHT LOOP ROADS	FROM ROUTE 0422 (TURTLE POINT DRIVE)	TO END OF LOOP	NO	0.48	0.00	0.48	6	
0432ZZ					CINNAMON BEACH ROADS	FROM ROUTE 0404ZZ (CINNAMON BAY DANISH WAREHOUSE ROADS)	TO END	NO	0.00	0.32	0.32	6	
0434ZZ		6	1		WINTBERG PROPERTY ROADS	FROM SKYLINE DRIVE	TO END	NO	0.00	0.11	0.11	6	
0435ZZ					WATER CATCHMENT ROADS	FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)	TO END	NO	0.00	0.39	0.39	6	

NPS / RIP Subcomponent Details for VIIS

(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	= Concession Route
Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas	

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

VIIS *Virgin Islands National Park*

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)
0901ZZ	35890	6	1		CRUZ BAY VISITOR CENTER PARKING	ADJACENT TO ROUTE 0203 (CRUZ BAY VISITOR CENTER ROAD)		NO	NONPUBLIC	8,193
0902ZZ	33298	6	1		LIND POINT VIRGIN ISLANDS BIOSPHERE RESERVE PARKING	FROM ROUTE 0400 (LIND POINT RESIDENCE ROAD)	TO PARKING	NO	NONPUBLIC	2,208
0911ZZ	33349	6	1		JUMBIE BEACH PARKING	ADJACENT TO ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD) ON RIGHT		YES	PUBLIC	1,907
0913ZZ	34410	6	1		FRANCIS BAY TRAIL PARKING	ADJACENT TO ROUTE 0012 (MARY CREEK ROAD) ON RIGHT		YES	PUBLIC	1,985
0914ZZ	35907	6	1		RED HOOK PARKING	FROM ROUTE 0014ZZ (RED HOOK RECREATIONAL FACILITY ROADS)	TO PARKING	YES	PUBLIC	17,550
0933ZZ		5	1	■	CANEEL MAINTENANCE PARKING	FROM ROUTE 0421 (CANEEL MAINTENANCE SPUR ROAD)	TO PARKING	NO	NONPUBLIC	16,691
0938ZZ		NC			LIND POINT HOUSING PARKING	ADJACENT TO ROUTE 0400 (LIND POINT RESIDENCE ROAD) ON RIGHT		NO	NONPUBLIC	1,789
0942ZZ		6	1		TEKTITE TRAIL PARKING AREAS	ADJACENT TO ROUTE 0100ZZ (LAMESHUR ROADS)		NO	PUBLIC	2,703
0959ZZ		5	1	■	TURTLE POINT PARKING AREAS	ADJACENT TO ROUTE 0422 (TURTLE POINT DRIVE)		NO	NONPUBLIC	1,606
0960ZZ		5	1	■	SCOTT BEACH PARKING	FROM ROUTE 0429 (SCOTT BEACH ROADS (ROOMS 67-86))	TO PARKING	NO	NONPUBLIC	4,220
0962ZZ		5	1	■	SUGAR MILL PARKING	ADJACENT TO ROUTE 0418ZZ (CANEEL MANAGER ROADS) ON RIGHT AND LEFT		NO	NONPUBLIC	2,251

NPS / RIP Subcomponent Details for VIIS

(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	= Concession Route
Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas	

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

VIIS *Virgin Islands National Park*

VIIS-0014ZZ 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)
0014AZ	35910	6	1		RED HOOK RECREATIONAL FACILITY ROAD A	FROM STATE HIGHWAY 32	TO END OF LOOP	YES	0.54	0.00	0.54	1	
0014BZ	35910	6	1		RED HOOK RECREATIONAL FACILITY ROAD B	FROM ROUTE 0014AZ (RED HOOK RECREATIONAL FACILITY ROAD A)	TO ROUTE 0914DZ (RED HOOK D PARKING)	YES	0.03	0.00	0.03	1	

NPS / RIP Subcomponent Details for VIIS

(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

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

VIIS *Virgin Islands National Park*

VIIS-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	36312	6	1		STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION A	FROM WEST PARK BOUNDARY AT PAVEMENT CHANGE AT MONGOOSE JUNCTION	TO BEGINNING OF ROUTE 0020BZ (STATE HIGHWAY 20 / NORTH SHORE ONE-WAY ROAD EASTBOUND) AND ROUTE 0020DZ (STATE HIGHWAY 20 / NORTH SHORE ONE-WAY ROAD WESTBOUND) ON RIGHT	YES	5.61	0.00	5.61	1	
0020BZ	36312	6	1		STATE HIGHWAY 20 / NORTH SHORE ONE-WAY ROAD EASTBOUND	FROM END OF ROUTE 0020AZ (STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION A) AND ROUTE 0020DZ (STATE HIGHWAY 20 / NORTH SHORE ONE-WAY ROAD WESTBOUND) ON RIGHT	TO BEGINNING OF ROUTE 0011 (ANNABERG ROAD) AND ROUTE 0020CZ (STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION C)	YES	0.51	0.00	0.51	1	
0020CZ	36312	6	1		STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION C	FROM BEGINNING OF ROUTE 0011 (ANNABERG ROAD) AND ROUTE 0020BZ (STATE HIGHWAY 20 / NORTH SHORE ONE-WAY ROAD EASTBOUND)	TO ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD))	YES	0.99	0.00	0.99	1	
0020DZ	36312	6	1		STATE HIGHWAY 20 / NORTH SHORE ONE-WAY ROAD WESTBOUND	FROM ROUTE 0020CZ (STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION C)	TO END OF ROUTE 0020AZ (STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION A) AND ROUTE 0020BZ (STATE HIGHWAY 20 / NORTH SHORE ONE-WAY ROAD EASTBOUND) ON RIGHT	YES	0.33	0.00	0.33	1	

NPS / RIP Subcomponent Details for VIIS

(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

= Concession Route

Yellow = Unpaved Routes, DCV not Driven

Blue = Paved Parking Areas

Green = Unpaved Parking Areas

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

VIIS *Virgin Islands National Park*

VIIS-0100ZZ 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)
0100AZ	36313	6	1		LAMESHUR ROAD A	FROM END OF ROUTE 5001 (US VIRGIN ISLANDS STATE HIGHWAY 107)	TO BEGINNING OF ROUTE 0100BZ (LAMESHUR ROAD B)	YES	0.75	0.00	0.75	3	
0100BZ	36313	6	1		LAMESHUR ROAD B	FROM END OF ROUTE 0100AZ (LAMESHUR ROAD A)	TO BEGINNING OF ROUTE 0100CZ (LAMESHUR ROAD C)	NO	0.00	0.06	0.06	3	
0100CZ	36313	6	1		LAMESHUR ROAD C	FROM END OF ROUTE 0100BZ (LAMESHUR ROAD B)	TO BEGINNING OF ROUTE 0100DZ (LAMESHUR ROAD D)	YES	0.05	0.00	0.05	3	
0100DZ	36313	6	1		LAMESHUR ROAD D	FROM END OF ROUTE 0100CZ (LAMESHUR ROAD C)	TO BEGINNING OF ROUTE 0100EZ (LAMESHUR ROAD E)	NO	0.00	0.07	0.07	3	
0100EZ	36313	6	1		LAMESHUR ROAD E	FROM END OF ROUTE 0100DZ (LAMESHUR ROAD D)	TO BEGINNING OF ROUTE 0100FZ (LAMESHUR ROAD F)	YES	0.25	0.00	0.25	3	
0100FZ	36313	6	1		LAMESHUR ROAD F	FROM END OF ROUTE 0100EZ (LAMESHUR ROAD E)	TO BEGINNING OF ROUTE 0100GZ (LAMESHUR ROAD G)	NO	0.00	0.09	0.09	3	
0100GZ	36313	6	1		LAMESHUR ROAD G	FROM END OF ROUTE 0100FZ (LAMESHUR ROAD F)	TO BEGINNING OF ROUTE 0100HZ (LAMESHUR ROAD H)	YES	0.01	0.00	0.01	3	
0100HZ	36313	6	1		LAMESHUR ROAD H	FROM END OF ROUTE 0100GZ (LAMESHUR ROAD G)	TO BEGINNING OF ROUTE 0100IZ (LAMESHUR RANGER RESIDENCE ROAD)	NO	0.00	0.61	0.61	3	
0100IZ	36313	6	1		LAMESHUR RANGER RESIDENCE ROAD	FROM END OF ROUTE 0100HZ (LAMESHUR ROAD H)	TO RESIDENCE	NO	0.00	0.23	0.23	3	

NPS / RIP Subcomponent Details for VIIS

(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

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

VIIS *Virgin Islands National Park*

VIIS-0404ZZ 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)
0404AZ	33527	6	1		CINNAMON BAY DANISH WAREHOUSE ROAD	FROM ROUTE 0202 (CINNAMON BAY ROAD)	TO BEGINING OF ROUTE 0404BZ (CINNAMON BAY DANISH WAREHOUSE ROAD UNPAVED)	NO	0.06	0.00	0.06	6	
0404BZ	33527	6	1		CINNAMON BAY DANISH WAREHOUSE ROAD UNPAVED	FROM END OF ROUTE 0404AZ (CINNAMON BAY DANISH WAREHOUSE ROAD)	TO BEACH AT MP 0.10	NO	0.00	0.04	0.04	6	

VIIS-0418ZZ 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)
0418AZ		5	1	■	CANEEL MANAGER ROAD A	FROM BEGINNING OF ROUTE 0419AZ (CANEEL WEST DRIVE) ON LEFT AND END OF ROUTE 0201 (CANEEL ENTRANCE ROAD) ON RIGHT	TO DEAD END	NO	0.19	0.00	0.19	6	
0418BZ		5	1	■	CANEEL MANAGER ROAD B	FROM ROUTE 0418AZ (CANEEL MANAGER ROAD A)	TO END OF LOOP	NO	0.04	0.00	0.04	6	

NPS / RIP Subcomponent Details for VIIS

(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	= Concession Route
Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas	

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

VIIS *Virgin Islands National Park*

VIIS-0419ZZ 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)
0419AZ		5	1		CANEEL WEST DRIVE	FROM END OF ROUTE 0201 (CANEEL ENTRANCE ROAD) AND BEGINNING OF ROUTE 0418ZZ (CANEEL MANAGER ROADS)	TO BEGINNING OF ROUTE 0419BZ (CANEEL WEST DRIVE UNPAVED)	NO	0.23	0.00	0.23	6	
0419BZ		6	1		CANEEL WEST DRIVE UNPAVED	FROM END OF ROUTE 0419AZ (CANEEL WEST DRIVE)	TO BEGINNING OF ROUTE 0413 (LYNE HOUSE ROAD) AT MP 0.67	NO	0.00	0.43	0.43	6	

VIIS-0420ZZ 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)
0420AZ		5	1		CANEEL MAINTENANCE ROAD A	FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION A)	TO ROUTE 0419ZZ (CANEEL WEST DRIVE ROADS)	NO	0.16	0.00	0.16	6	
0420BZ		5	1		CANEEL MAINTENANCE ROAD B	FROM ROUTE 0420AZ (CANEEL MAINTENANCE ROAD A)	TO ROUTE 0420AZ (CANEEL MAINTENANCE ROAD A)	NO	0.04	0.00	0.04	6	

VIIS-0425ZZ 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)
0425AZ		5	1		CANEEL WWTP	FROM ROUTE 0418AZ (CANEEL MANAGER ROAD A)	TO BEGINNING OF ROUTE 0425BZ (CANEEL WWTP UNPAVED)	NO	0.08	0.00	0.08	6	
0425BZ					CANEEL WWTP UNPAVED	FROM END OF ROUTE 0425AZ (CANEEL WWTP)	TO END OF LOOP AT WWTP AT MP 0.18	NO	0.00	0.12	0.12	6	

NPS / RIP Subcomponent Details for VIIS

(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	= Concession Route
Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas	

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

VIIS *Virgin Islands National Park*

VIIS-0431ZZ 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)
0431AZ		5	1		FIGURE EIGHT LOOP ROAD A	FROM ROUTE 0422 (TURTLE POINT DRIVE)	TO END OF LOOP	NO	0.36	0.00	0.36	6	
0431BZ		5	1		FIGURE EIGHT LOOP ROAD B	FROM ROUTE 0431AZ (FIGURE EIGHT LOOP ROAD A)	TO END OF LOOP	NO	0.08	0.00	0.08	6	
0431CZ		5	1		FIGURE EIGHT LOOP ROAD C	FROM ROUTE 0431AZ (FIGURE EIGHT LOOP ROAD A) AT MP 0.344 ON LEFT	TO ROUTE 0431AZ (FIGURE EIGHT LOOP ROAD A)	NO	0.02	0.00	0.02	6	
0431DZ		5	1		FIGURE EIGHT LOOP ROAD D	FROM ROUTE 0431BZ (FIGURE EIGHT LOOP ROAD B)	TO ROUTE 0431AZ (FIGURE EIGHT LOOP ROAD A)	NO	0.02	0.00	0.02	6	

VIIS-0432ZZ 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)
0432AZ					CINNAMON BEACH ROAD A	FROM ROUTE 0404BZ (CINNAMON BAY DANISH WAREHOUSE ROAD UNPAVED) AT MP 0.01 ON LEFT	TO END	NO	0.00	0.15	0.15	6	
0432BZ					CINNAMON BEACH ROAD B	FROM ROUTE 0404BZ (CINNAMON BAY DANISH WAREHOUSE ROAD UNPAVED) AT MP 0.012 ON RIGHT	TO END	NO	0.00	0.17	0.17	6	

NPS / RIP Subcomponent Details for VIIS

(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	= Concession Route
Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas	

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

VIIS *Virgin Islands National Park*

VIIS-0434ZZ 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)
0434AZ		6	1		WINTBERG PROPERTY ROAD	FROM SKYLINE DRIVE	TO BEGINNING OF ROUTE 0434BZ (WINTBERG PROPERTY ROAD UNPAVED)	NO	0.00	0.06	0.06	6	
0434BZ		6	1		WINTBERG PROPERTY ROAD UNPAVED	FROM END OF ROUTE 0434AZ (WINTBERG PROPERTY ROAD)	TO END	NO	0.00	0.05	0.05	6	

VIIS-0435ZZ 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)
0435AZ					WATER CATCHMENT ROAD	FROM ROUTE 0020AZ (STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION A)	TO END	NO	0.00	0.22	0.22	6	
0435BZ					WATER CATCHMENT SPUR	FROM ROUTE 0435AZ (WATER CATCHMENT ROAD)	TO END	NO	0.00	0.17	0.17	6	

VIIS-0901ZZ 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)
0901AZ	35890	6	1		CRUZ BAY VISITOR CENTER A PARKING	ADJACENT TO ROUTE 0203 (CRUZ BAY VISITOR CENTER ROAD) ON RIGHT		NO	NONPUBLIC	1,513
0901CZ	35890	6	1		CRUZ BAY VISITOR CENTER C PARKING	ADJACENT TO ROUTE 0203 (CRUZ BAY VISITOR CENTER ROAD) ON LEFT		NO	NONPUBLIC	2,914
0901DZ	35890	6	1		CRUZ BAY VISITOR CENTER D PARKING	FROM END OF ROUTE 0203 (CRUZ BAY VISITOR CENTER ROAD)	TO PARKING	NO	NONPUBLIC	3,766

NPS / RIP Subcomponent Details for VIIS

(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

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

VIIS *Virgin Islands National Park*

VIIS-0902ZZ 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)
0902AZ	33298	6	1		LIND POINT VIRGIN ISLANDS BIOSPHERE RESERVE A PARKING	ADJACENT TO ROUTE 0400 (LIND POINT RESIDENCE ROAD) ON RIGHT		NO	NONPUBLIC	1,393
0902BZ	33298	6	1		LIND POINT VIRGIN ISLANDS BIOSPHERE RESERVE B PARKING	FROM END OF ROUTE 0400 (LIND POINT RESIDENCE ROAD)	TO PARKING	NO	NONPUBLIC	815

VIIS-0911ZZ 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)
0911AZ	33349	6	1		JUMBIE BEACH A PARKING	ADJACENT TO ROUTE 0020AZ (STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION A) ON RIGHT		YES	PUBLIC	532
0911BZ	33349	6	1		JUMBIE BEACH B PARKING	ADJACENT TO ROUTE 0020AZ (STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION A) ON RIGHT		YES	PUBLIC	1,375

VIIS-0913ZZ 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)
0913AZ	34410	6	1		FRANCIS BAY TRAIL A PARKING	ADJACENT TO ROUTE 0012 (MARY CREEK ROAD) ON RIGHT		YES	PUBLIC	1,088
0913BZ	34410	6	1		FRANCIS BAY TRAIL B PARKING	ADJACENT TO ROUTE 0012 (MARY CREEK ROAD) ON RIGHT		YES	PUBLIC	897

NPS / RIP Subcomponent Details for VIIS

(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

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

VIIS *Virgin Islands National Park*

VIIS-0914ZZ 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)
0914AZ	35907	6	1		RED HOOK A PARKING	ADJACENT TO ROUTE 0014AZ (RED HOOK RECREATIONAL FACILITY ROAD A) ON RIGHT		YES	PUBLIC	2,751
0914BZ	35907	6	1		RED HOOK B PARKING	ADJACENT TO ROUTE 0014AZ (RED HOOK RECREATIONAL FACILITY ROAD A) ON LEFT		YES	PUBLIC	2,764
0914CZ	35907	6	1		RED HOOK C PARKING	FROM ROUTE 0014BZ (RED HOOK RECREATIONAL FACILITY ROAD B) ON LEFT	TO PARKING	YES	PUBLIC	10,611
0914DZ	35907	6	1		RED HOOK D PARKING	FROM END OF ROUTE 0014BZ (RED HOOK RECREATIONAL FACILITY ROAD B)	TO PARKING	YES	PUBLIC	1,424

NPS / RIP Subcomponent Details for VIIS

(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

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

VIIS *Virgin Islands National Park*

VIIS-0933ZZ 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)
0933AZ		5	1	■	CANEEL MAINTENANCE A PARKING	FROM ROUTE 0421 (CANEEL MAINTENANCE SPUR ROAD)	TO PARKING	NO	NONPUBLIC	3,347
0933BZ		5	1	■	CANEEL EMPLOYEE GYM PARKING	ADJACENT TO ROUTE 0421 (CANEEL MAINTENANCE SPUR ROAD) ON RIGHT		NO	NONPUBLIC	875
0933CZ		5	1	■	CANEEL MAINTENANCE C PARKING	ADJACENT TO ROUTE 0421 (CANEEL MAINTENANCE SPUR ROAD) ON LEFT		NO	NONPUBLIC	252
0933DZ		5	1	■	CANEEL EMPLOYEE LOUNGE PARKING	ADJACENT TO ROUTE 0421 (CANEEL MAINTENANCE SPUR ROAD) ON LEFT		NO	NONPUBLIC	1,736
0933EZ		5	1	■	CANEEL MAINTENANCE E PARKING	ADJACENT TO ROUTE 0421 (CANEEL MAINTENANCE SPUR ROAD) ON LEFT		NO	NONPUBLIC	2,787
0933FZ		5	1	■	CANEEL MAINTENANCE F PARKING	FROM END OF ROUTE 0421 (CANEEL MAINTENANCE SPUR ROAD)	TO PARKING	NO	NONPUBLIC	7,315
0933GZ		5	1	■	CANEEL MAINTENANCE G PARKING	ADJACENT TO ROUTE 0421 (CANEEL MAINTENANCE SPUR ROAD) ON RIGHT		NO	NONPUBLIC	379

VIIS-0938ZZ 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)
0938AZ		NC			LIND POINT HOUSING A PARKING	ADJACENT TO ROUTE 0400 (LIND POINT RESIDENCE ROAD) ON RIGHT		NO	NONPUBLIC	581
0938BZ		NC			LIND POINT HOUSING B PARKING	ADJACENT TO ROUTE 0400 (LIND POINT RESIDENCE ROAD) ON RIGHT		NO	NONPUBLIC	1,208

NPS / RIP Subcomponent Details for VIIS

(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

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

VIIS *Virgin Islands National Park*

VIIS-0942ZZ 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)
0942AZ		6	1		TEKTITE TRAIL PARKING A	ADJACENT TO ROUTE 0100EZ (LAMESHUR ROAD E)		NO	PUBLIC	1,152
0942BZ		6	1		TEKTITE TRAIL PARKING B	ADJACENT TO ROUTE 0100EZ (LAMESHUR ROAD E)		NO	PUBLIC	1,551

VIIS-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)
0959AZ		5	1	■	BEAUTY LOUNGE SALON AT TURTLE POINT PARKING	ADJACENT TO ROUTE 0422 (TURTLE POINT DRIVE) ON RIGHT		NO	NONPUBLIC	412
0959BZ		5	1	■	TURTLE POINT BUS PARKING	ADJACENT TO ROUTE 0422 (TURTLE POINT DRIVE) ON LEFT		NO	NONPUBLIC	446
0959CZ		5	1	■	TURTLE POINT PARKING	ADJACENT TO ROUTE 0422 (TURTLE POINT DRIVE) ON LEFT		NO	NONPUBLIC	748

NPS / RIP Subcomponent Details for VIIS

(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	= Concession Route
Yellow = Unpaved Routes, DCV not Driven	Blue = Paved Parking Areas	Green = Unpaved Parking Areas	

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

VIIS *Virgin Islands National Park*

VIIS-0960ZZ 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)
0960AZ		5	1		SCOTT BEACH A PARKING	FROM ROUTE 0429 (SCOTT BEACH ROADS (ROOMS 67-86))	TO ROUTE 0429 (SCOTT BEACH ROADS (ROOMS 67-86))	NO	NONPUBLIC	2,179
0960BZ		5	1		SCOTT BEACH B PARKING	ADJACENT TO ROUTE 0429 (SCOTT BEACH ROADS (ROOMS 67-86)) ON RIGHT		NO	NONPUBLIC	973
0960CZ		5	1		SCOTT BEACH C PARKING	FROM END OF ROUTE 0429 (SCOTT BEACH ROADS (ROOMS 67-86)) ON RIGHT	TO PARKING	NO	NONPUBLIC	1,068

VIIS-0962ZZ 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)
0962AZ		5	1		SUGAR MILL A PARKING	ADJACENT TO ROUTE 0418AZ (CANEEL MANAGER ROAD A) ON RIGHT		NO	NONPUBLIC	1,338
0962BZ		5	1		SUGAR MILL B PARKING	ADJACENT TO ROUTE 0418AZ (CANEEL MANAGER ROAD A) ON LEFT		NO	NONPUBLIC	913

Route Identification Changes to Paved Routes from Previous Cycle
Virgin Islands National Park

ROUTES REMOVED FROM PREVIOUS INVENTORY:			
Route No.	**Route Name**	**Type of Change**	**Comments**
0105	MAMEY PEAK ROAD	OTHER	REMOVED BECAUSE IS NOT NPS OWNED OR MAINTAINED.
0926	TRUNK BAY OVERLOOK	OTHER	PARKING CONSIDER A PULLOUT, NOT PARKING AREA; REMOVED IN CYCLE 6.
0928	CRUZ BAY OVERLOOK	OTHER	PARKING CONSIDER A PULLOUT, NOT PARKING AREA; REMOVED IN CYCLE 6.
0929	BATTERY GHUT PARKING	OTHER	ROUTE REMOVED BECAUSE IT IS NOT OWNED BY THE NPS.
0944	OLD DANISH PARKING	OTHER	PARKING CONSIDER A PULLOUT, NOT PARKING AREA; REMOVED IN CYCLE 6.

ROUTES MODIFIED FROM PREVIOUS INVENTORY:			
Route No.	**Route Name**	**Type of Change**	**Comments**
0102	FRANCIS BAY ACCESS	SURFACE TYPE CHANGE	MOST OF THE ROUTE IS CONCRETE IN CYCLE 6 WITH A FEW UNPAVED SECTIONS.
0103	STATE HIGHWAY 206 (JOHN HEAD ROAD) SECTION A	ROUTES COMBINED	SURFACE TYPE CHANGED ALONG THE ROUTE IN CYCLE 6; ALL SUBCOMPOMENTS (0103AZ TO 0103YZ) WERE COMBINED UNDER ROUTE 0103.
0104	STATE HIGHWAY 204 (SUSANNABERG ROAD)	ROUTES COMBINED	ROUTES 0104AZ TO 0104IZ MERGED UNDER 0104 BECAUSE THEY ARE PAVED NOW.
0203	CRUZ BAY VISITOR CENTER ROAD	LENGTH CHANGE	ROUTE SHORTHEN IN CYCLE 6 BECAUSE THE PARKING AREA (0901DZ) HAD BEEN EXTENDED.
0404ZZ	CINNAMON BAY DANISH WAREHOUSE ROADS	ROUTE SPLIT	FORMERLY ROUTE 0404 SPLIT INTO PAVED (0404AZ) AND UNPAVED (0404BZ) SECTIONS.
0410	MAHO BAY 178 ISLAND FANCY ROAD	ROUTE NAME SURFACE TYPE	"MAHO BAY 178" ADDED TO ROUTE NAME IN CYCLE 6. SURFACE TYPE CHANGED FROM ASPHALT TO CONCRETE.
0901ZZ	CRUZ BAY VISITOR CENTER PARKING	SQ FEET CHANGE	ROUTE 0901BZ REMOVED BECAUSE IT IS NOT OWNED BY THE NPS. SECTION OF ROAD (0203) ADDED TO THE PARKING AREA (0901DZ) DURING MANUAL COLLECTION.
0902ZZ	LIND POINT VIRGIN ISLANDS BIOSPHERE RESERVE PARKING	ROUTE NAME	ROUTE NAME CHANGED FROM "VIRGIN ISLANDS BIOSPHERE RESERVE CENTER PARKING" TO "LIND POINT VIRGIN ISLANDS BIOSPHERE RESERVE PARKING". PARKING AREA WAS UNDER CONSTRUCTION.

Route Identification Changes to Paved Routes from Previous Cycle
Virgin Islands National Park

ROUTES MODIFIED FROM PREVIOUS INVENTORY:			
Route No.	**Route Name**	**Type of Change**	**Comments**
0903	HAWKSNEST BEACH PARKING	ROUTE NAME	ROUTE NAME CHANGED FROM "OPPENHEIMER / GIBNEY BEACH PARKING" TO "HAWKSNEST BEACH PARKING".
0925	MAHO BAY OVERLOOK	SQ FEET CHANGE	IMPROVED GPS COLLECTED AND SQUARE FOOTAGE UPDATED.
0934	CENTERLINE OVERLOOK	SQ FEET CHANGE	IMPROVED GPS COLLECTED AND SQUARE FOOTAGE UPDATED.
0946	CRUZ BAY BOAT PARKING	SQ FEET CHANGE	IMPROVED GPS COLLECTED AND SQUARE FOOTAGE UPDATED.
0947	M' OCEAN STUDIO PARKING	SQ FEET CHANGE	IMPROVED GPS COLLECTED AND SQUARE FOOTAGE UPDATED.
0948	GIFT SHOP PARKING	SQ FEET CHANGE	IMPROVED GPS COLLECTED AND SQUARE FOOTAGE UPDATED.
0965	GREAT SEIBAN TRAIL PARKING	SQ FEET CHANGE	IMPROVED GPS COLLECTED AND SQUARE FOOTAGE UPDATED.
0967	MONTAQUE HOUSE DRIVEWAY	ROUTE NUMBER	CHANGED FROM ROAD (0415) TO PARKING (0967) IN CYCLE 6; FMSS NUMBER ADDED 35711.

Section 3
Park Summary Information

Virgin Islands National Park

Federal Lands Highway
Road Inventory Program

Parkwide Paved Route Condition Summary
Virgin Islands National Park

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

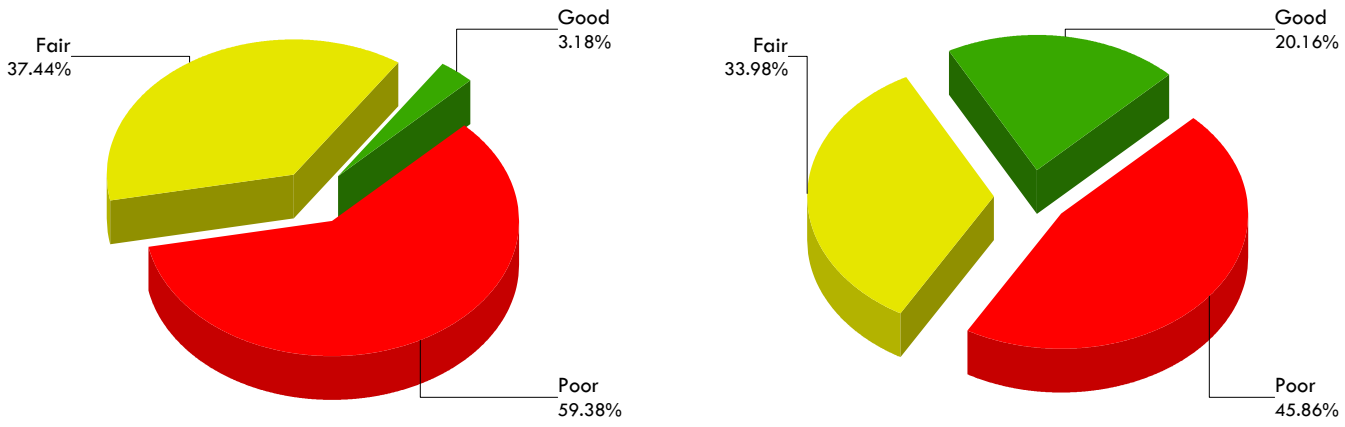
Breakdown of Pavement Condition Rating (PCR) Based on Access Level

	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	12.58	7.35	0.61		20.54
2	1.31	0.64			1.95
3	0.30	1.00			1.29
4					
5					
6	0.17	0.06	0.15		0.39
7					
8					
Total Mileage by PCR	**14.35**	**9.04**	**0.77**	**0**	**24.16**
PAVED PARKING					
Access Level	**Area (sq. ft.)**	**Area (sq. ft.)**	**Area (sq. ft.)**	**Area (sq. ft.)**	**Total Area**
PUBLIC	29,783	38,092	20,412		88,287
NONPUBLIC	26,719	3,766	4,427		34,912
Total Area by PCR	**56,502**	**41,858**	**24,839**	**0**	**123,199**

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

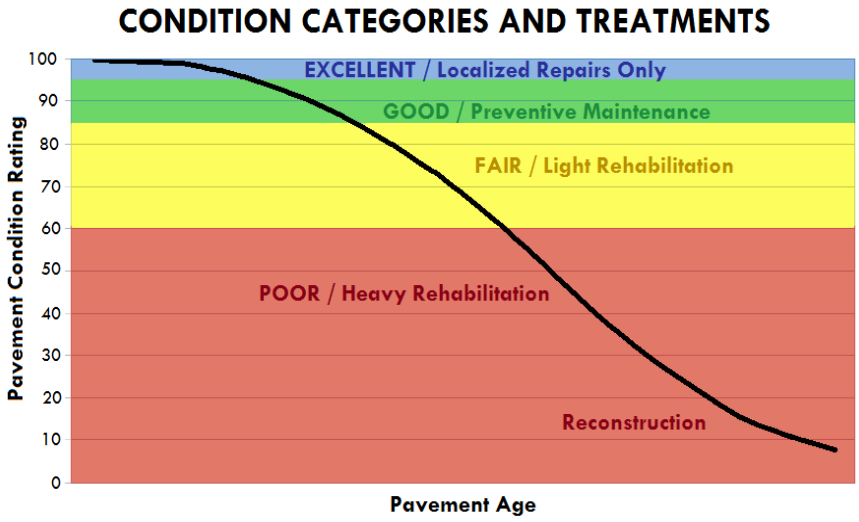
The Road Inventory Program aims to provide assistance in translating the excellent / good / fair / poor rating categories into pavement needs categories. The PCR can be used to indicate the place in the Pavement Life Cycle and the type of treatments that should be considered now and into the future.

- 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).



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 Manually Rated Roads

Virgin Islands National Park

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
VIIS-0010B	N/A	STATE HIGHWAY 10 (CENTER LINE ROAD)	1	AS	5.93	49	NR	49	NR	49	67	85	63	73
VIIS-0010D	43956	STATE HIGHWAY 10 (EAST END ROAD)	1	AS	2.88	53	NR	53	NR	53	53	79	60	73
VIIS-0011	55545	ANNABERG ROAD	1	AS	0.58	73	NR	73	NR	73	90	90	90	90
VIIS-0012	43950	MARY CREEK ROAD	1	AS	0.44	73	NR	73	NR	73	73	90	90	90
VIIS-0014AZ	35910	RED HOOK RECREATIONAL FACILITY ROAD A	1	AS	0.54	30	NR	30	NR	30	90	90	90	53
VIIS-0014BZ	35910	RED HOOK RECREATIONAL FACILITY ROAD B	1	AS	0.03	30	NR	30	NR	30	90	90	90	90
VIIS-0017	N/A	STATE HIGHWAY 108 (BORDEAUX MOUNTAIN ROAD)	1	CO	2.70	55	NR	55	NR	30	53	90	73	90
VIIS-0020AZ	36312	STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION A	1	AS	5.61	76	NR	76	NR	76	80	90	92	84
VIIS-0020BZ	36312	STATE HIGHWAY 20 / NORTH SHORE ONE-WAY ROAD EASTBOUND	1	AS	0.51	73	NR	73	NR	73	90	90	90	90
VIIS-0020CZ	36312	STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION C	1	AS	0.99	73	NR	73	NR	73	81	90	90	90
VIIS-0020DZ	36312	STATE HIGHWAY 20 / NORTH SHORE ONE-WAY ROAD WESTBOUND	1	AS	0.33	73	NR	73	NR	73	73	90	97	73
VIIS-0100AZ	36313	LAMESHUR ROAD A	3	AS	0.75	73	NR	73	NR	79	73	90	81	90
VIIS-0100CZ	36313	LAMESHUR ROAD C	3	CO	0.05	53	NR	53	NR	NR	NR	NR	NR	NR
VIIS-0100EZ	36313	LAMESHUR ROAD E	3	CO	0.25	30	NR	30	NR	NR	NR	NR	NR	NR
VIIS-0100GZ	36313	LAMESHUR ROAD G	3	CO	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR
VIIS-0102	34409	FRANCIS BAY ACCESS	2	CO	0.09	53	NR	53	NR	NR	NR	NR	NR	NR
VIIS-0103	N/A	STATE HIGHWAY 206 (JOHN HEAD ROAD) SECTION A	2	CO	1.20	45	NR	45	NR	73	90	90	73	97
VIIS-0104	N/A	STATE HIGHWAY 204 (SUSANNABERG ROAD)	2	CO	0.66	63	NR	63	NR	NR	NR	NR	NR	NR
VIIS-0202	N/A	CINNAMON BAY ROAD	3	AS	0.10	73	NR	73	NR	73	90	90	90	73
VIIS-0203	43954	CRUZ BAY VISITOR CENTER ROAD	3	AS	0.14	73	NR	73	NR	73	90	90	73	90
VIIS-0400	32752	LIND POINT RESIDENCE ROAD	5	AS	0.16	NR	NR	NR	NR	NR	NR	NR	NR	NR

Federal Lands Highway
Road Inventory Program

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

Virgin Islands National Park

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
VIIS-0402	43953	TRUNK BAY RESIDENCE ACCESS A	6	CO	0.15	90	NR	90	NR	NR	NR	NR	NR	NR
VIIS-0404AZ	33527	CINNAMON BAY DANISH WAREHOUSE ROAD	6	AS	0.06	73	NR	73	NR	90	90	97	73	90
VIIS-0409	33504	CNB LITTLE CINNAMON ENTRANCE ROAD	6	AS	0.09	30	NR	30	NR	30	90	90	97	73
VIIS-0410	34404	MAHO BAY 178 ISLAND FANCY ROAD	6	CO	0.04	30	NR	30	NR	NR	NR	NR	NR	NR
VIIS-0411	35720	CALLAHAN DRIVEWAY	6	CO	0.15	NR	NR	NR	NR	NR	NR	NR	NR	NR
VIIS-0413	33334	LYNE HOUSE ROAD	6	CO	0.04	30	NR	30	NR	NR	NR	NR	NR	NR

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program

Parking Area Condition Summary Report

Virgin Islands National Park

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 Paved 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
VIIS-0900	35896	CRUZ BAY MAINTENANCE PARKING	NONPUBLIC	AS	25,434	30	30	90	90	73	97	73					
VIIS-0901AZ	35890	CRUZ BAY VISITOR CENTER A PARKING	NONPUBLIC	AS	1,513	90	97	90	97	97	97	90					
VIIS-0901CZ	35890	CRUZ BAY VISITOR CENTER C PARKING	NONPUBLIC	AS	2,914	90	90	90	90	97	97	90					
VIIS-0901DZ	35890	CRUZ BAY VISITOR CENTER D PARKING	NONPUBLIC	AS	3,766	73	73	90	90	90	97	73					
VIIS-0902AZ	33298	LIND POINT VIRGIN ISLANDS BIOSPHERE RESERVE A PARKING	NONPUBLIC	AS	1,393	NR											
VIIS-0902BZ	33298	LIND POINT VIRGIN ISLANDS BIOSPHERE RESERVE B PARKING	NONPUBLIC	AS	815	NR											
VIIS-0903	33346	HAWKSNEST BEACH PARKING	PUBLIC	AS	11,167	73	90	90	90	97	97	73					
VIIS-0904	33496	PEACE HILL PARKING	PUBLIC	AS	2,542	90	90	90	90	90	97	90					
VIIS-0905	33354	TRUNK BAY PARKING	PUBLIC	AS	14,562	73	90	90	90	97	97	73					
VIIS-0906	33529	CINNAMON BAY PARKING	PUBLIC	AS	15,626	90	90	90	90	97	97	90					
VIIS-0907	33644	MAHO BAY PARKING	PUBLIC	AS	2,663	NR											
VIIS-0910	35877	CRUZ BAY VISITOR CENTER 15 MINUTE PARKING	PUBLIC	AS	3,206	73	90	90	90	97	97	73					
VIIS-0911AZ	33349	JUMBIE BEACH A PARKING	PUBLIC	AS	532	0											
VIIS-0911BZ	33349	JUMBIE BEACH B PARKING	PUBLIC	AS	1,375	73	90	90	90	97	97	73					
VIIS-0912	34422	ANNABERG SUGAR MILL PARKING	PUBLIC	AS	6,736	73	73	90	90	97	97	90					
VIIS-0913AZ	34410	FRANCIS BAY TRAIL A PARKING	PUBLIC	AS	1,088	53	90	53	90	97	97	73					
VIIS-0913BZ	34410	FRANCIS BAY TRAIL B PARKING	PUBLIC	AS	897	73	97	90	90	97	97	73					
VIIS-0914AZ	35907	RED HOOK A PARKING	PUBLIC	AS	2,751	30	30	90	90	97	97	73					
VIIS-0914BZ	35907	RED HOOK B PARKING	PUBLIC	AS	2,764	53	53	90	90	97	97	73					
VIIS-0914CZ	35907	RED HOOK C PARKING	PUBLIC	CO	10,611	30							90	30	73	73	90
VIIS-0914DZ	35907	RED HOOK D PARKING	PUBLIC	AS	1,424	30	30	90	90	97	97	73					
VIIS-0925	N/A	MAHO BAY OVERLOOK	PUBLIC	AS	1,211	90	97	97	97	97	97	90					
VIIS-0927	N/A	CANEEL BAY OVERLOOK PARKING	PUBLIC	AS	1,033	90	97	90	90	97	97	90					
VIIS-0934	N/A	CENTERLINE OVERLOOK	PUBLIC	AS	967	53	53	90	90	90	97	90					
VIIS-0946	N/A	CRUZ BAY BOAT PARKING	PUBLIC	CO	7,913	30							73	30	73	53	90
VIIS-0963	N/A	CENTER LINE PARKING	PUBLIC	AS	1,733	30	30	90	73	90	97	73					

Data Collection Date: 03/2022

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program

Parking Area Condition Summary Report

Virgin Islands National Park

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 Paved 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
VIIS-0965	N/A	GREAT SEIBAN TRAIL PARKING	PUBLIC	CO	149	73							97	73	90	90	97
VIIS-0967	35711	MONTAQUE HOUSE DRIVEWAY	NONPUBLIC	AS	1,285	0											

Section 4
Park Route Location Maps

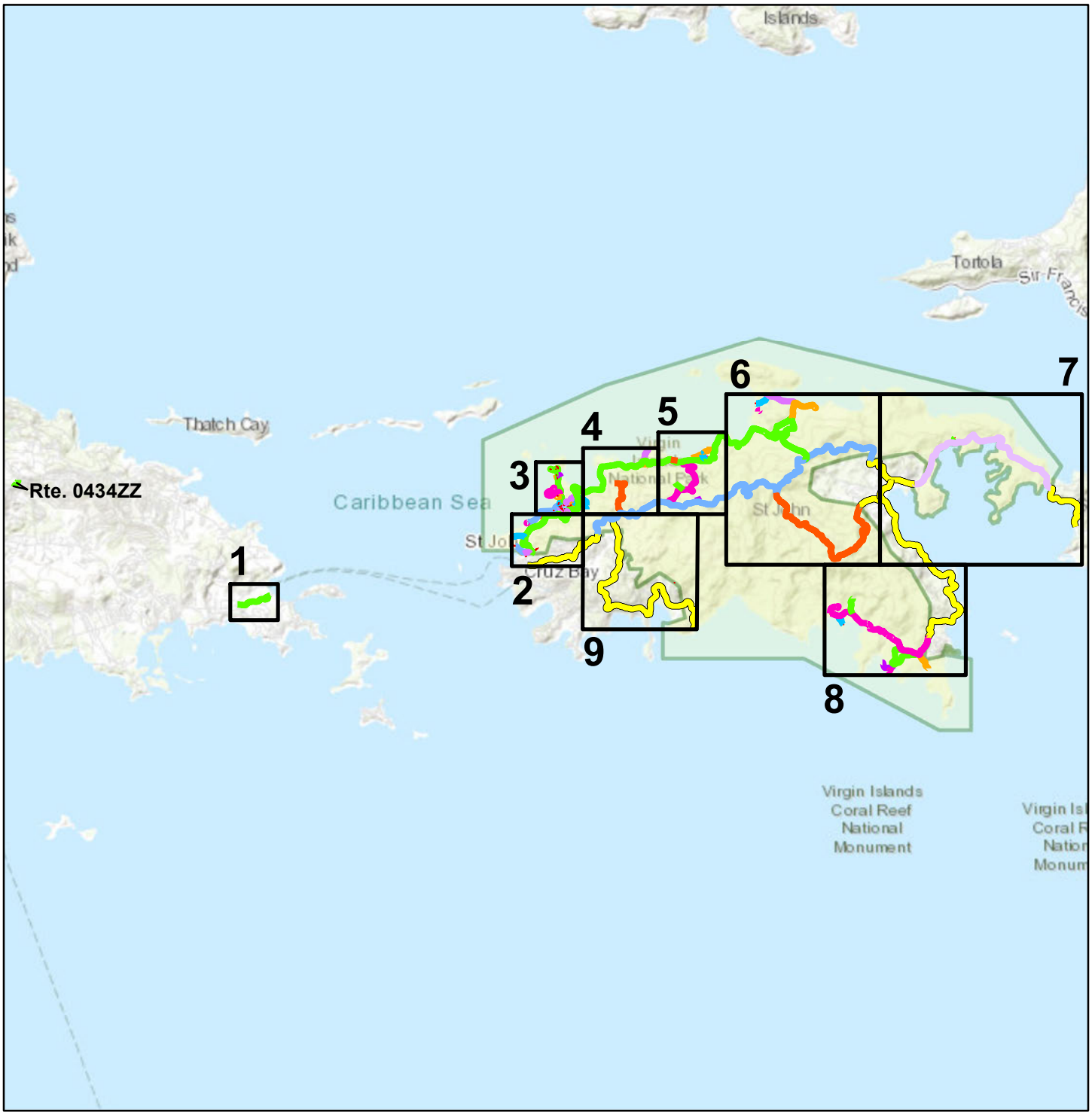
Virgin Islands National Park

Federal Lands Highway
Road Inventory Program

Virgin Islands National Park

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), (c) OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads

Non-NPS Collected Routes

Miles

0 5 10

N

Virgin Islands National Park

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), (c) OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads

Non-NPS Collected Routes

Miles

0 0.1 0.2

N

Virgin Islands National Park

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), (c) OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads

Non-NPS Collected Routes

Miles

0 0.2 0.4

N

Virgin Islands National Park

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), (c) OpenStreetMap contributors, and the GIS User Community

Note: Unique colors are used to differentiate roads

Non-NPS Collected Routes

Miles

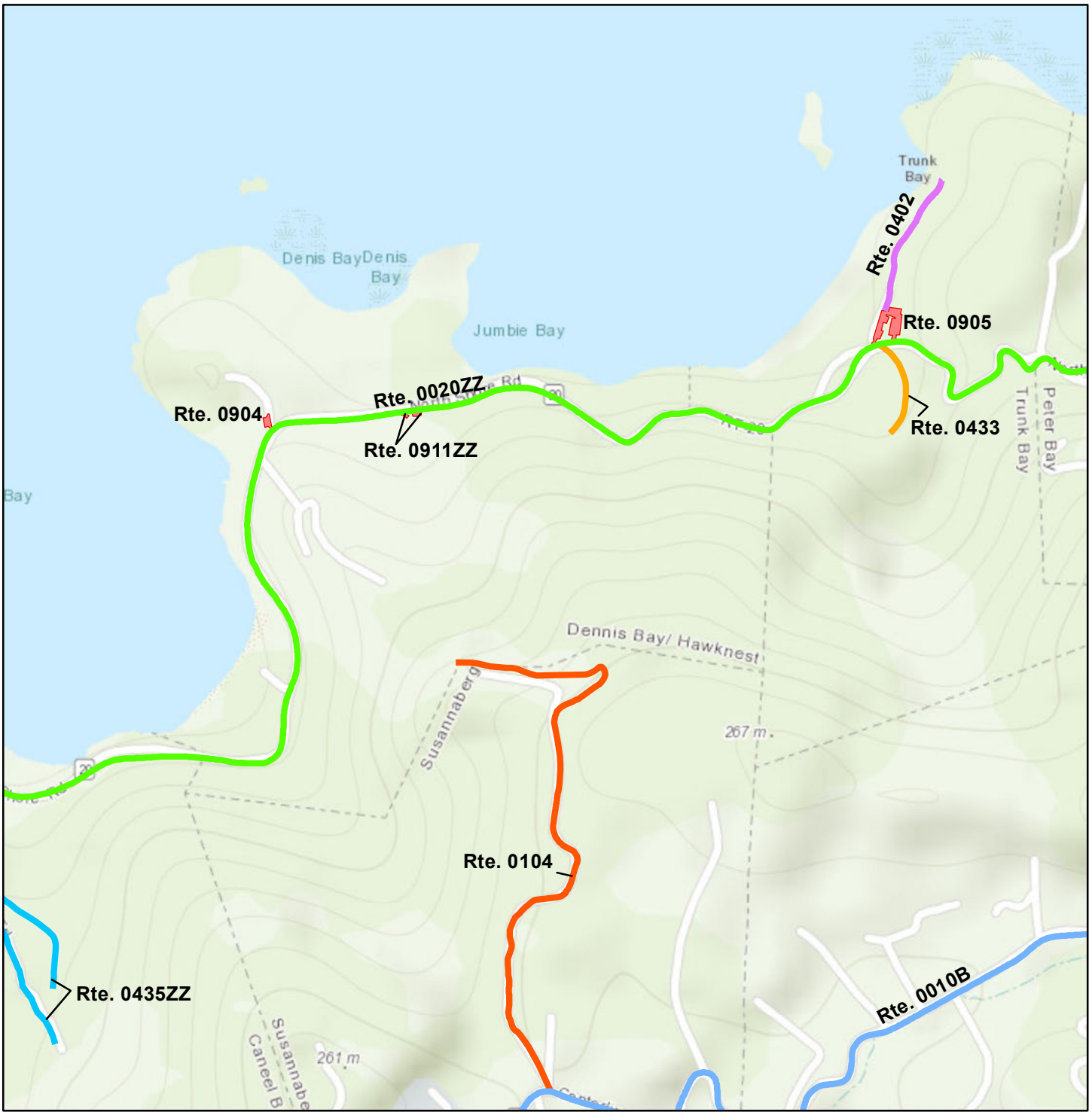
0 0.1 0.2

N

Virgin Islands National Park

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 0.2 0.4

N

Virgin Islands National Park

ROUTE LOCATION MAP

Area Map 5

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 0.1 0.2

N

Virgin Islands National Park

ROUTE LOCATION MAP

Area Map 6

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 0.2 0.4

N

Virgin Islands National Park

ROUTE LOCATION MAP

Area Map 7

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 0.4 0.8

N

Virgin Islands National Park

ROUTE LOCATION MAP

Area Map 8

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

Virgin Islands National Park

ROUTE LOCATION MAP

Area Map 9

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 0.2 0.4

N

Section 5
Paved Road Condition Rating Sheets

Virgin Islands National Park

Federal Lands Highway
Road Inventory Program

Virgin Islands National Park

ROUTE 0010B: STATE HIGHWAY 10 (CENTER LINE 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

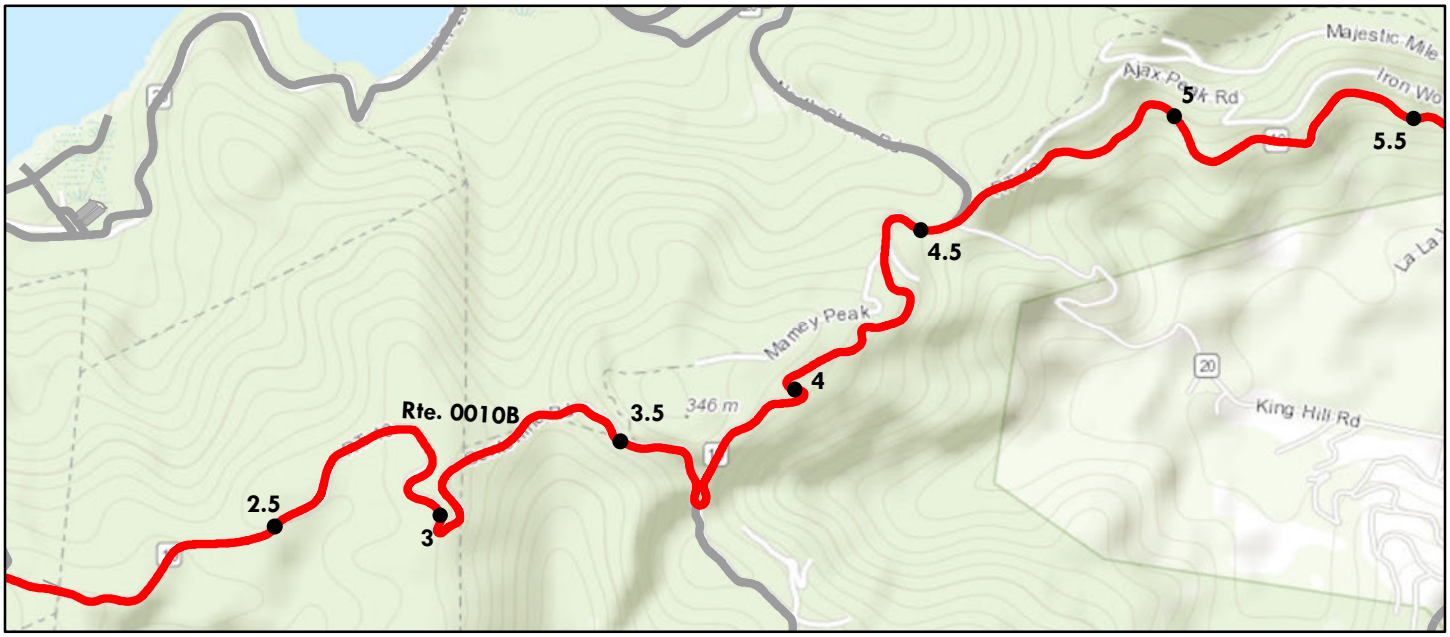
See Appendix for definitions and formulas

Inspection Date: 3/21/2022	**Beginning Section MP**	0.00	0.50	1.00	1.50	2.00
Paved Length (Miles): 5.93	**Section Length (MI)**	0.50	0.50	0.50	0.50	0.50
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	49	53	53	53	53	30
Surface Condition Rating (SCR)	49	53	53	53	53	30
Roughness Condition Index (RCI)	N/A	N/A	N/A	N/A	N/A	N/A
Distress Index Values						
Structural Crack Index	N/A	N/A	N/A	N/A	N/A	N/A
Alligator Crack Index	49	53	53	53	53	30
Longitudinal Crack Index	67	73	73	73	73	73
Transverse Cracking Index	85	90	90	90	90	90
Patching Index	63	53	53	73	73	73
Rutting Index	73	73	73	73	73	73
International Roughness Index (IRI)	N/A	N/A	N/A	N/A	N/A	N/A
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	21.5	22.7	22.7	22.1	22.1	21.9
Lane Width (ft)	8.8	9	9	8.4	8.4	9.2

Virgin Islands National Park

ROUTE 0010B: STATE HIGHWAY 10 (CENTER LINE 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

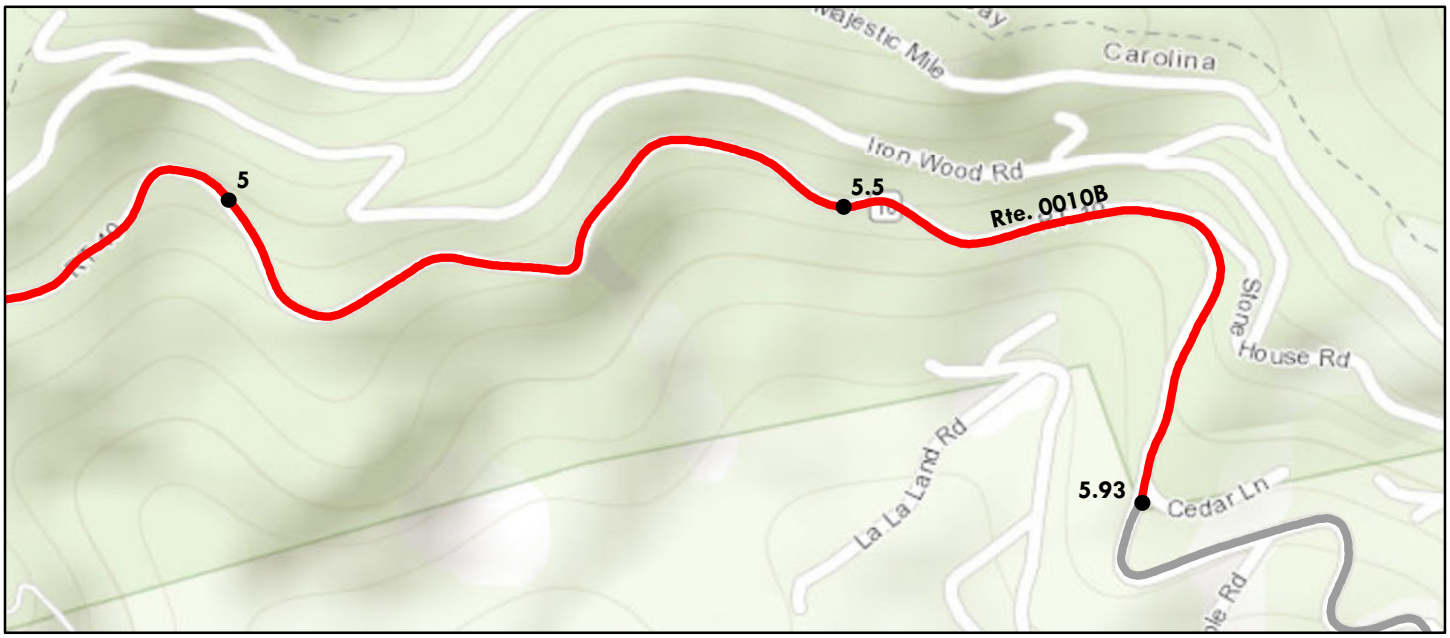
See Appendix for definitions and formulas

Inspection Date: 3/21/2022	**Beginning Section MP**	2.50	3.00	3.50	4.00	4.50
Paved Length (Miles): 5.93	**Section Length (MI)**	0.50	0.50	0.50	0.50	0.50
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	49	30	53	53	53	53
Surface Condition Rating (SCR)	49	30	53	53	53	53
Roughness Condition Index (RCI)	N/A	N/A	N/A	N/A	N/A	N/A
Distress Index Values						
Structural Crack Index	N/A	N/A	N/A	N/A	N/A	N/A
Alligator Crack Index	49	30	53	53	53	53
Longitudinal Crack Index	67	73	73	73	53	53
Transverse Cracking Index	85	90	90	90	73	73
Patching Index	63	73	53	53	53	53
Rutting Index	73	73	73	73	73	73
International Roughness Index (IRI)	N/A	N/A	N/A	N/A	N/A	N/A
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	21.5	21.9	21.2	21.2	19.7	19.7
Lane Width (ft)	8.8	9.2	8.9	8.9	8.4	8.4

Virgin Islands National Park

ROUTE 0010B: STATE HIGHWAY 10 (CENTER LINE 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:	3/21/2022	**Beginning Section MP**	5.00	5.50			
Paved Length (Miles):	5.93	**Section Length (MI)**	0.50	0.43			
Surface Type:	ASPHALT	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		49	53	53			
Surface Condition Rating (SCR)		49	53	53			
Roughness Condition Index (RCI)		N/A	N/A	N/A			
Distress Index Values							
Structural Crack Index		N/A	N/A	N/A			
Alligator Crack Index		49	53	53			
Longitudinal Crack Index		67	53	53			
Transverse Cracking Index		85	73	73			
Patching Index		63	73	73			
Rutting Index		73	73	73			
International Roughness Index (IRI)		N/A	N/A	N/A			
Lane & Width Information							
Number of Lanes		2	2	2			
Paved Width (ft)		21.5	21.1	21.1			
Lane Width (ft)		8.8	8.7	8.7			

Virgin Islands National Park

ROUTE 0010B: STATE HIGHWAY 10 (CENTER LINE ROAD)

Condition Photos

VIIS_0010B_0.413.jpg

VIIS_0010B_2.344.jpg

VIIS_0010B_3.286.jpg

VIIS_0010B_4.168.jpg

VIIS_0010B_5.006.jpg

VIIS_0010B_5.848.jpg

Virgin Islands National Park

ROUTE 0010D: STATE HIGHWAY 10 (EAST END 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**

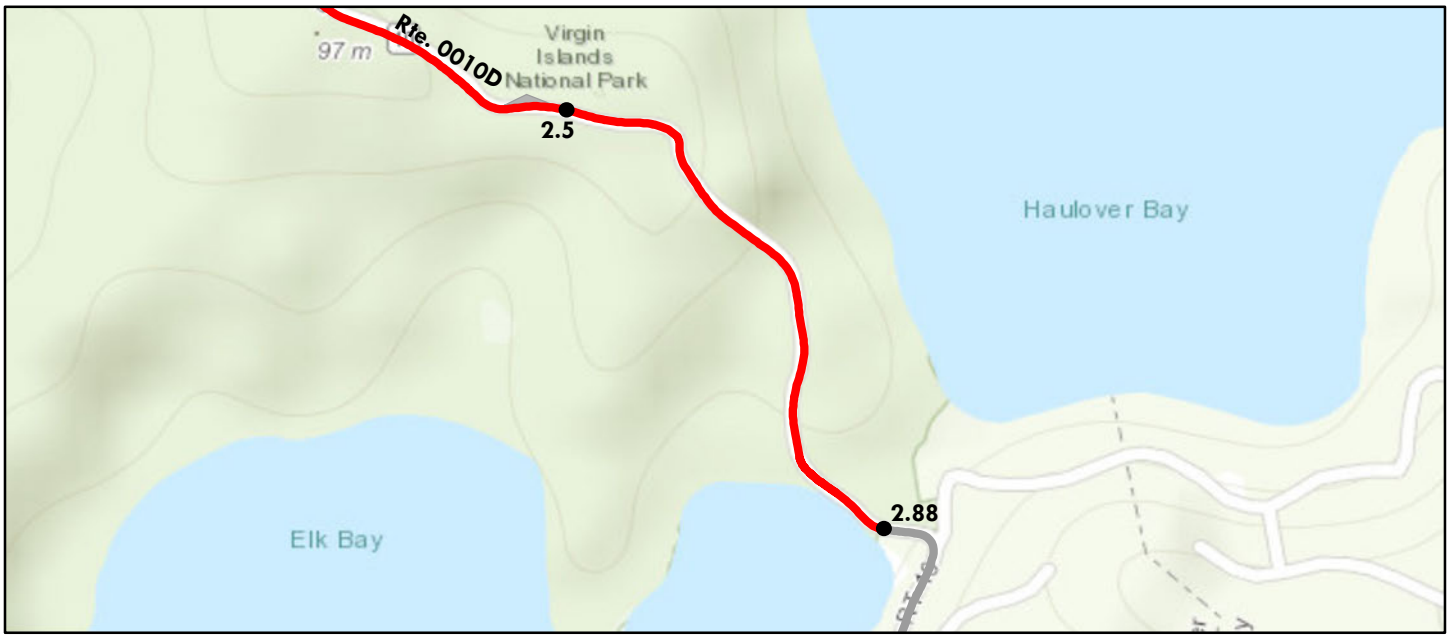
See Appendix for definitions and formulas

Inspection Date: 3/22/2022	**Beginning Section MP**	0.00	0.50	1.00	1.50	2.00
Paved Length (Miles): 2.88	**Section Length (MI)**	0.50	0.50	0.50	0.50	0.50
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	53	53	53	53	53	30
Surface Condition Rating (SCR)	53	53	53	53	53	30
Roughness Condition Index (RCI)	N/A	N/A	N/A	N/A	N/A	N/A
Distress Index Values						
Structural Crack Index	N/A	N/A	N/A	N/A	N/A	N/A
Alligator Crack Index	53	73	73	53	53	30
Longitudinal Crack Index	53	53	53	53	53	53
Transverse Cracking Index	79	73	73	90	90	73
Patching Index	60	73	73	53	53	53
Rutting Index	73	73	73	73	73	73
International Roughness Index (IRI)	N/A	N/A	N/A	N/A	N/A	N/A
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	21.3	22.8	22.8	20.1	20.1	20.9
Lane Width (ft)	9.9	10.1	10.1	9.5	9.5	10.2

Virgin Islands National Park

ROUTE 0010D: STATE HIGHWAY 10 (EAST END 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:	3/22/2022	**Beginning Section MP**	2.50				
Paved Length (Miles):	2.88	**Section Length (MI)**	0.38				
Surface Type:	ASPHALT	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		53	30				
Surface Condition Rating (SCR)		53	30				
Roughness Condition Index (RCI)		N/A	N/A				
Distress Index Values							
Structural Crack Index		N/A	N/A				
Alligator Crack Index		53	30				
Longitudinal Crack Index		53	53				
Transverse Cracking Index		79	73				
Patching Index		60	53				
Rutting Index		73	73				
International Roughness Index (IRI)		N/A	N/A				
Lane & Width Information							
Number of Lanes		2	2				
Paved Width (ft)		21.3	20.9				
Lane Width (ft)		9.9	10.2				

Virgin Islands National Park

ROUTE 0010D: STATE HIGHWAY 10 (EAST END ROAD)

Condition Photos

VIIS_0010D_0.074.jpg

VIIS_0010D_0.653.jpg

VIIS_0010D_1.046.jpg

VIIS_0010D_1.818.jpg

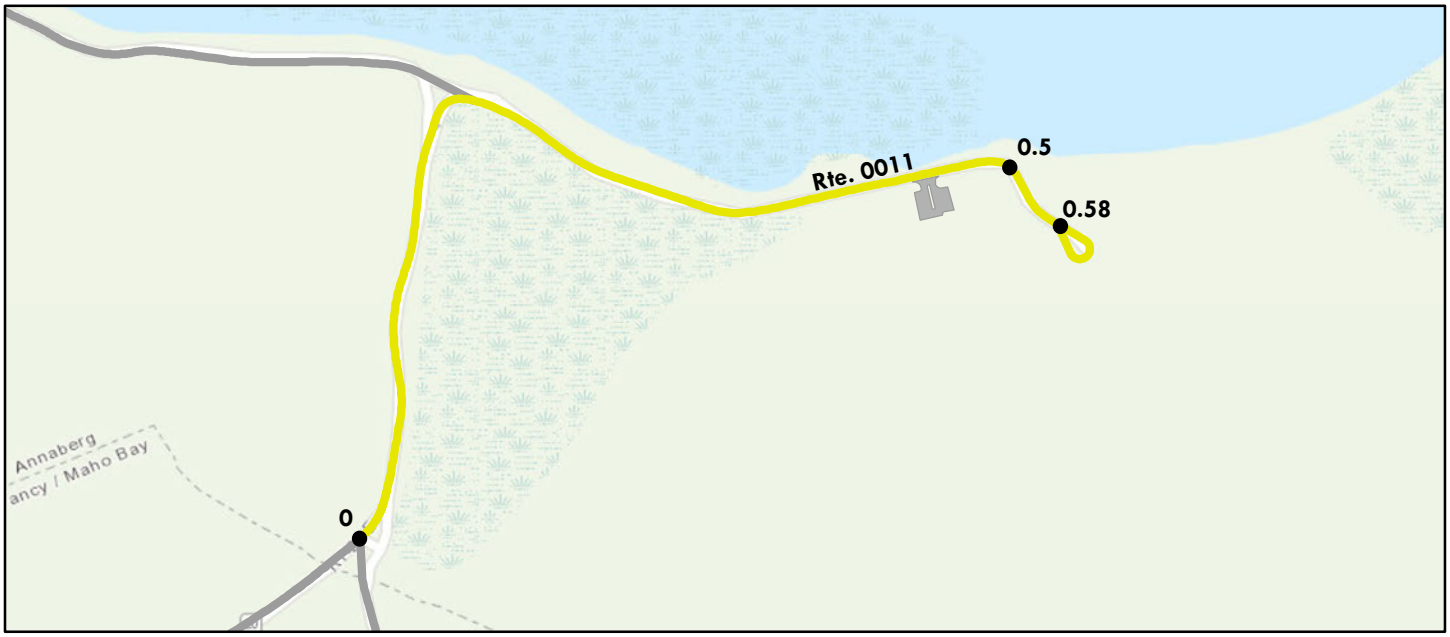
VIIS_0010D_2.154.jpg

VIIS_0010D_2.865.jpg

Virgin Islands National Park

ROUTE 0011: ANNABERG 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: 3/23/2022	**Beginning Section MP**	0.00	0.50			
Paved Length (Miles): 0.58	**Section Length (MI)**	0.50	0.08			
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	73	73	73			
Surface Condition Rating (SCR)	73	73	73			
Roughness Condition Index (RCI)	N/A	N/A	N/A			
Distress Index Values						
Structural Crack Index	N/A	N/A	N/A			
Alligator Crack Index	73	73	73			
Longitudinal Crack Index	90	90	90			
Transverse Cracking Index	90	90	90			
Patching Index	90	90	90			
Rutting Index	90	90	90			
International Roughness Index (IRI)	N/A	N/A	N/A			
Lane & Width Information						
Number of Lanes	2	2	2			
Paved Width (ft)	20.3	20.3	20.3			
Lane Width (ft)	8.9	8.9	8.9			

Virgin Islands National Park

ROUTE 0011: ANNABERG ROAD

Condition Photos

VIIS_0011_0.024.jpg

VIIS_0011_0.108.jpg

VIIS_0011_0.223.jpg

VIIS_0011_0.468.jpg

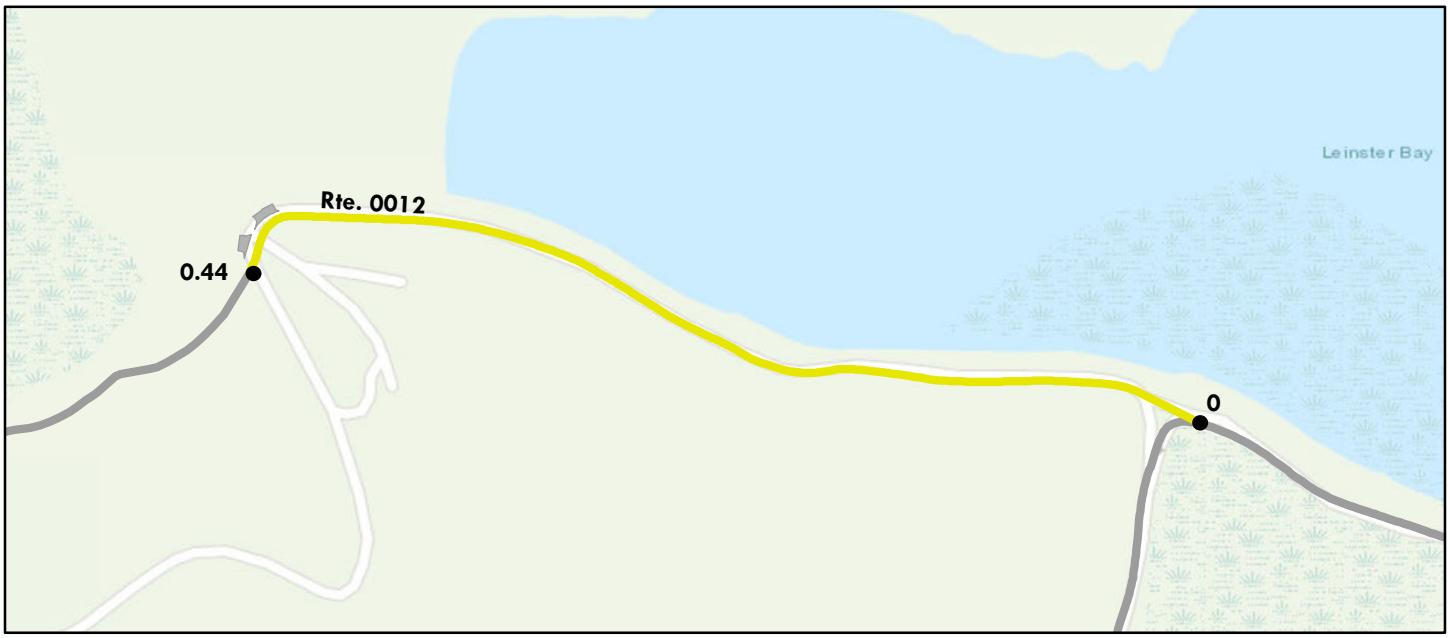
VIIS_0011_0.538.jpg

VIIS_0011_0.570.jpg

Virgin Islands National Park

ROUTE 0012: MARY CREEK 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:	3/23/2022	**Beginning Section MP**	0.00				
Paved Length (Miles):	0.44	**Section Length (MI)**	0.44				
Surface Type:	ASPHALT	**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		73	73				
Longitudinal Crack Index		73	73				
Transverse Cracking Index		90	90				
Patching Index		90	90				
Rutting Index		90	90				
International Roughness Index (IRI)		N/A	N/A				
Lane & Width Information							
Number of Lanes		2	2				
Paved Width (ft)		19	19				
Lane Width (ft)		7.8	7.8				

Virgin Islands National Park

ROUTE 0012: MARY CREEK ROAD

Condition Photos

VIIS_0012_0.030.jpg

VIIS_0012_0.115.jpg

VIIS_0012_0.205.jpg

VIIS_0012_0.302.jpg

VIIS_0012_0.394.jpg

VIIS_0012_0.436.jpg

Virgin Islands National Park

ROUTE 0014ZZ: RED HOOK RECREATIONAL FACILITY ROADS

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

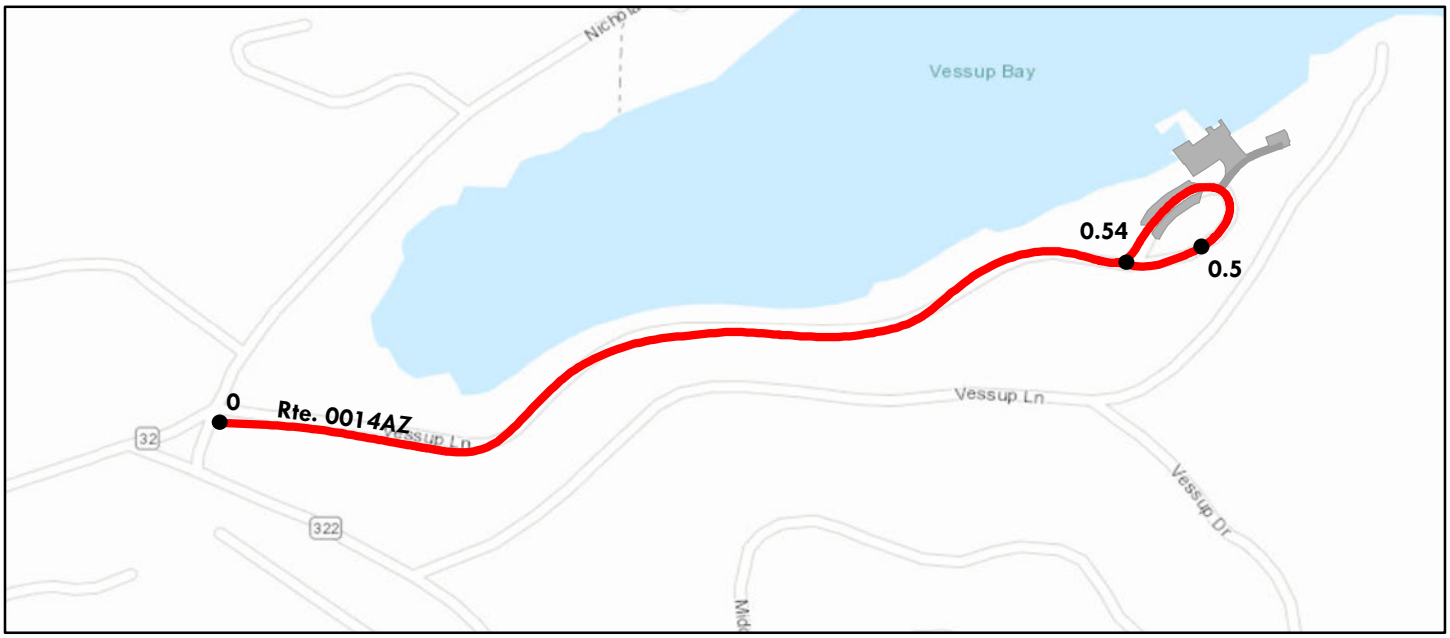
Inspection Date:	3/21/2022
Paved Length (Miles):	0.56
Surface Type:	ASPHALT
Roadway Condition Information	**Route Summary**
Pavement Condition Rating (PCR)	30
Lane & Width Information	
Number of Lanes	2
Paved Width (ft)	21
Lane Width (ft)	10.5

Virgin Islands National Park

ROUTE 0014AZ: RED HOOK RECREATIONAL FACILITY ROAD A

Subcomponent of Route VIIS-0014ZZ

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: 3/21/2022	**Beginning Section MP**	0.00	0.50			
Paved Length (Miles): 0.54	**Section Length (MI)**	0.50	0.04			
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	30	30	30			
Surface Condition Rating (SCR)	30	30	30			
Roughness Condition Index (RCI)	N/A	N/A	N/A			
Distress Index Values						
Structural Crack Index	N/A	N/A	N/A			
Alligator Crack Index	30	30	30			
Longitudinal Crack Index	90	90	90			
Transverse Cracking Index	90	90	90			
Patching Index	90	90	90			
Rutting Index	53	53	53			
International Roughness Index (IRI)	N/A	N/A	N/A			
Lane & Width Information						
Number of Lanes	2	2	2			
Paved Width (ft)	21.3	21.3	21.3			
Lane Width (ft)	10.6	10.6	10.6			

Virgin Islands National Park

ROUTE 0014AZ: RED HOOK RECREATIONAL FACILITY ROAD A

Condition Photos

VIIS_0014AZ_0.026.jpg

VIIS_0014AZ_0.080.jpg

VIIS_0014AZ_0.192.jpg

VIIS_0014AZ_0.327.jpg

VIIS_0014AZ_0.430.jpg

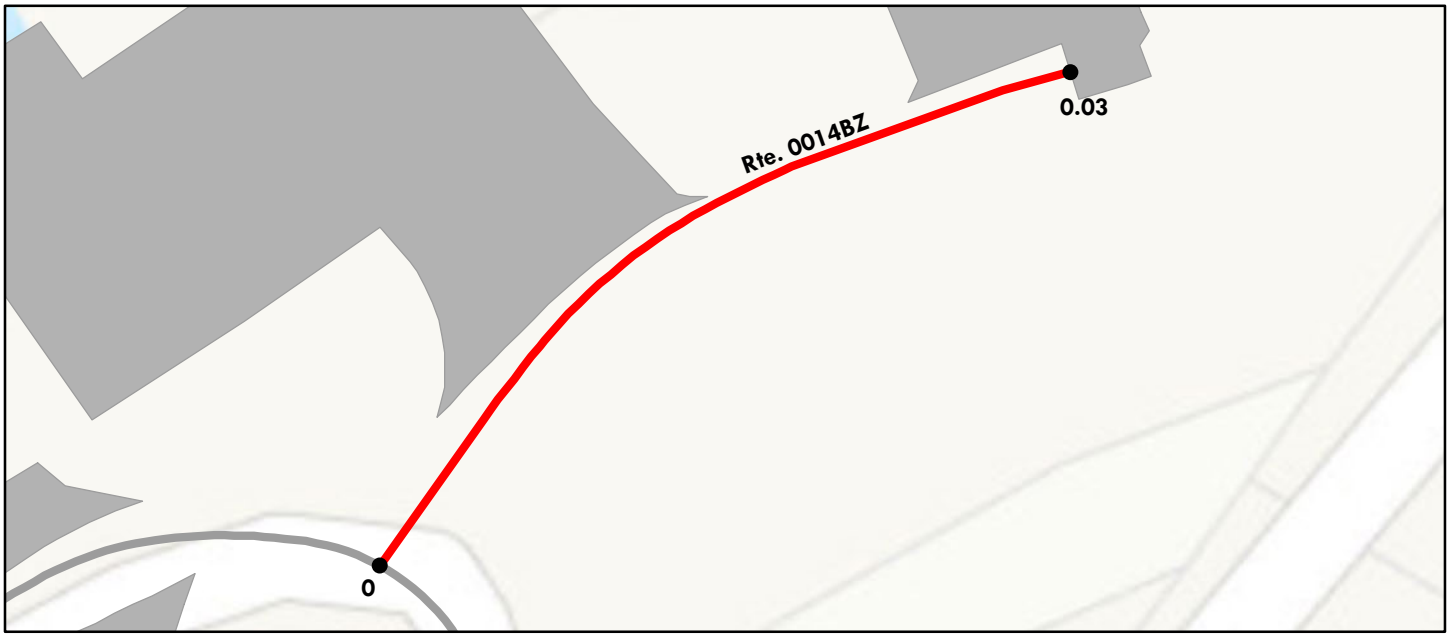
VIIS_0014AZ_0.520.jpg

Virgin Islands National Park

ROUTE 0014BZ: RED HOOK RECREATIONAL FACILITY ROAD B

Subcomponent of Route VIIS-0014ZZ

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:	3/21/2022	**Beginning Section MP**	0.00				
Paved Length (Miles):	0.03	**Section Length (MI)**	0.03				
Surface Type:	ASPHALT	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		30	30				
Surface Condition Rating (SCR)		30	30				
Roughness Condition Index (RCI)		N/A	N/A				
Distress Index Values							
Structural Crack Index		N/A	N/A				
Alligator Crack Index		30	30				
Longitudinal Crack Index		90	90				
Transverse Cracking Index		90	90				
Patching Index		90	90				
Rutting Index		90	90				
International Roughness Index (IRI)		N/A	N/A				
Lane & Width Information							
Number of Lanes		2	2				
Paved Width (ft)		15.1	15.1				
Lane Width (ft)		7.5	7.5				

Virgin Islands National Park

ROUTE 0014BZ: RED HOOK RECREATIONAL FACILITY ROAD B

Condition Photos

VIIS_0014BZ_0.006.jpg

VIIS_0014BZ_0.011.jpg

VIIS_0014BZ_0.014.jpg

VIIS_0014BZ_0.018.jpg

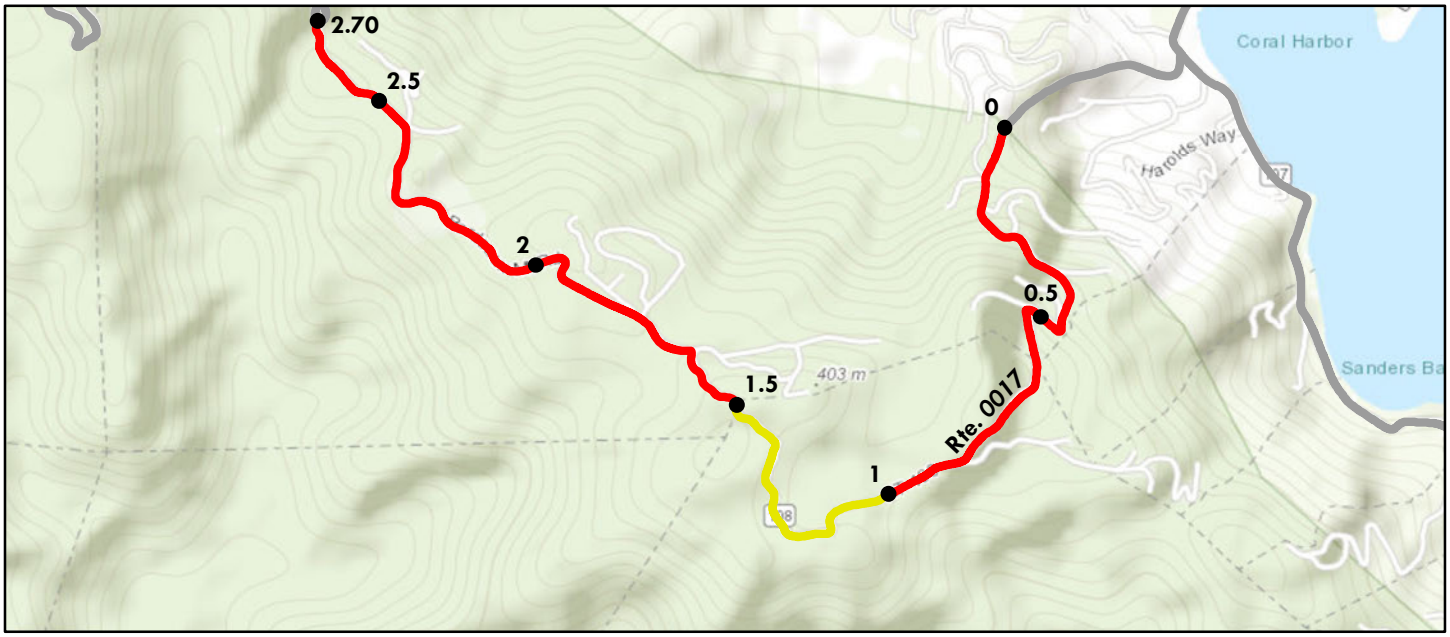
VIIS_0014BZ_0.020.jpg

VIIS_0014BZ_0.024.jpg

Virgin Islands National Park

ROUTE 0017: STATE HIGHWAY 108 (BORDEAUX MOUNTAIN 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: 3/23/2022	**Beginning Section MP**	0.00	0.50	1.00	1.50	2.00
Paved Length (Miles): 2.70	**Section Length (MI)**	0.50	0.50	0.50	0.50	0.50
Surface Type: CONCRETE	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	55	53	53	73	53	53
Surface Condition Rating (SCR)	55	53	53	73	53	53
Roughness Condition Index (RCI)	N/A	N/A	N/A	N/A	N/A	N/A
Distress Index Values						
Structural Crack Index	N/A	N/A	N/A	N/A	N/A	N/A
Alligator Crack Index	30	N/A	N/A	N/A	N/A	N/A
Longitudinal Crack Index	53	N/A	N/A	N/A	N/A	N/A
Transverse Cracking Index	90	N/A	N/A	N/A	N/A	N/A
Patching Index	73	N/A	N/A	N/A	N/A	N/A
Rutting Index	90	N/A	N/A	N/A	N/A	N/A
International Roughness Index (IRI)	N/A	N/A	N/A	N/A	N/A	N/A
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	15.6	15.1	15.1	16	16	16
Lane Width (ft)	8.7	7.5	7.5	9.6	9.6	9.6

Concrete Distress Indices: Slab Cracking (73), Surface Delamination and Popouts (53), Joint Distress (73), Joint Faulting (73), Patches (90).

Virgin Islands National Park

ROUTE 0017: STATE HIGHWAY 108 (BORDEAUX MOUNTAIN 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:	3/23/2022	**Beginning Section MP**	2.50				
Paved Length (Miles):	2.70	**Section Length (MI)**	0.20				
Surface Type:	CONCRETE	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		55	30				
Surface Condition Rating (SCR)		55	30				
Roughness Condition Index (RCI)		N/A	N/A				
Distress Index Values							
Structural Crack Index		N/A	N/A				
Alligator Crack Index		30	30				
Longitudinal Crack Index		53	53				
Transverse Cracking Index		90	90				
Patching Index		73	73				
Rutting Index		90	90				
International Roughness Index (IRI)		N/A	N/A				
Lane & Width Information							
Number of Lanes		2	2				
Paved Width (ft)		15.6	15.7				
Lane Width (ft)		8.7	7.8				

Note: Last section of the road is asphalt.

Virgin Islands National Park

ROUTE 0017: STATE HIGHWAY 108 (BORDEAUX MOUNTAIN ROAD)

Condition Photos

VIIS_0017_0.051.jpg

VIIS_0017_0.404.jpg

VIIS_0017_0.809.jpg

VIIS_0017_1.390.jpg

VIIS_0017_2.226.jpg

VIIS_0017_2.648.jpg

Virgin Islands National Park

ROUTE 0020ZZ: STATE HIGHWAY 20 / NORTH SHORE 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

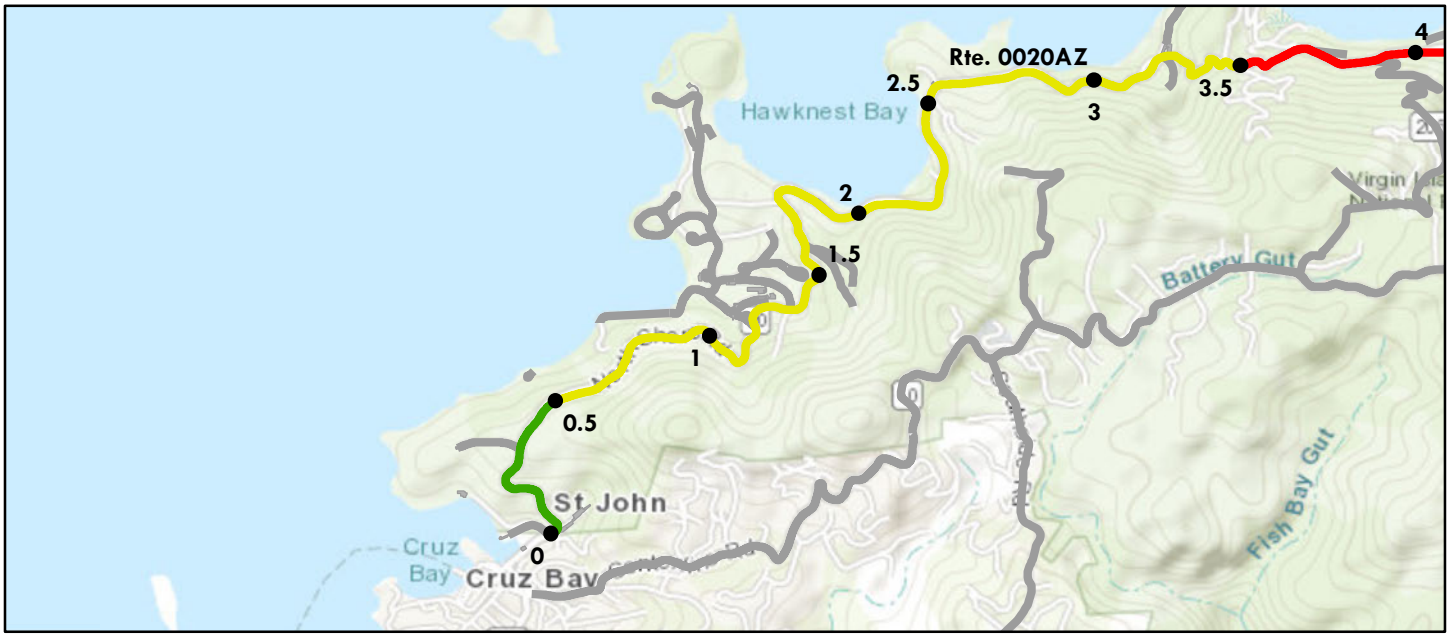
Inspection Date: 3/23/2022	
Paved Length (Miles): 7.44	
Surface Type: ASPHALT	**Route Summary**
Roadway Condition Information	
Pavement Condition Rating (PCR)	75
Lane & Width Information	
Number of Lanes	2
Paved Width (ft)	19.4
Lane Width (ft)	9.7

Virgin Islands National Park

ROUTE 0020AZ: STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION A

Subcomponent of Route VIIS-0020ZZ

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

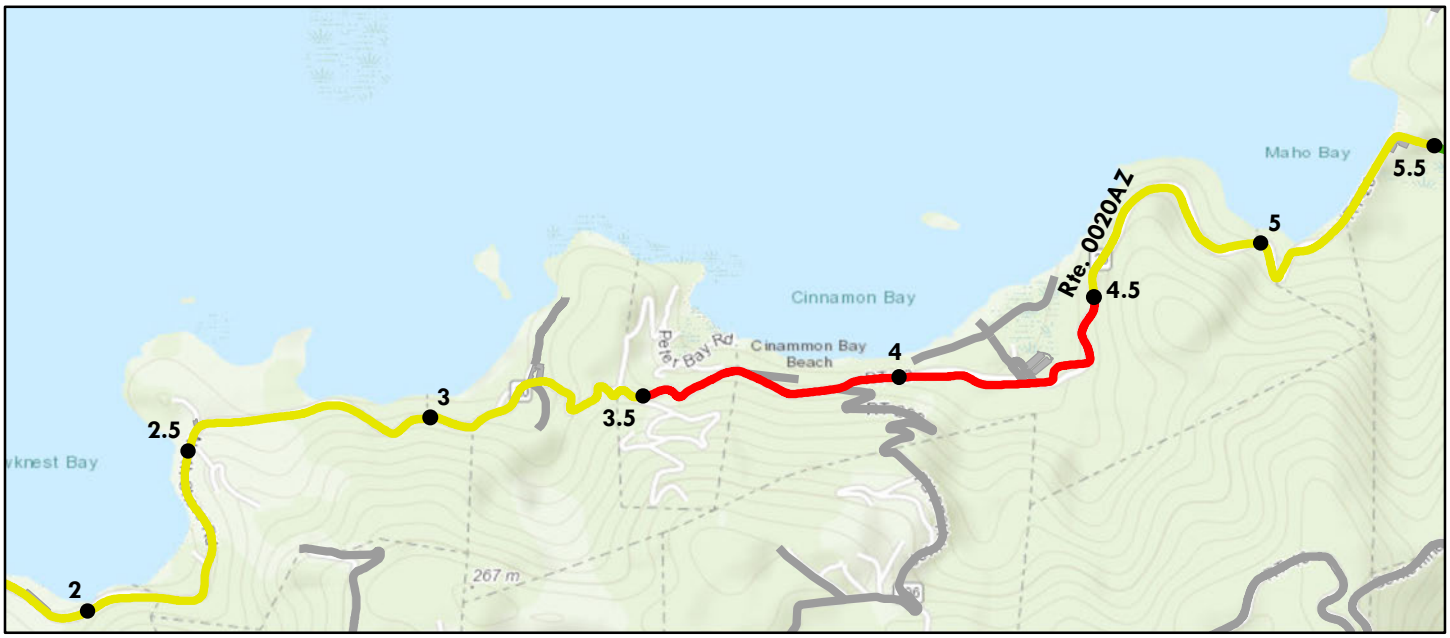
Inspection Date: 3/22/2022	**Beginning Section MP**	0.00	0.50	1.00	1.50	2.00
Paved Length (Miles): 5.61	**Section Length (MI)**	0.50	0.50	0.50	0.50	0.50
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	76	90	73	73	73	73
Surface Condition Rating (SCR)	76	90	73	73	73	73
Roughness Condition Index (RCI)	N/A	N/A	N/A	N/A	N/A	N/A
Distress Index Values						
Structural Crack Index	N/A	N/A	N/A	N/A	N/A	N/A
Alligator Crack Index	76	90	73	73	73	73
Longitudinal Crack Index	80	90	90	90	90	90
Transverse Cracking Index	90	90	90	90	90	90
Patching Index	92	97	90	97	97	90
Rutting Index	84	90	90	90	90	90
International Roughness Index (IRI)	N/A	N/A	N/A	N/A	N/A	N/A
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	20.6	19.6	19.6	21.2	21.2	20.5
Lane Width (ft)	9.6	9.2	9.2	10.3	10.3	9.3

Virgin Islands National Park

ROUTE 0020AZ: STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION A

Subcomponent of Route VIIS-0020ZZ

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: 3/22/2022	**Beginning Section MP**	2.50	3.00	3.50	4.00	4.50
Paved Length (Miles): 5.61	**Section Length (MI)**	0.50	0.50	0.50	0.50	0.50
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	76	73	73	53	53	73
Surface Condition Rating (SCR)	76	73	73	53	53	73
Roughness Condition Index (RCI)	N/A	N/A	N/A	N/A	N/A	N/A
Distress Index Values						
Structural Crack Index	N/A	N/A	N/A	N/A	N/A	N/A
Alligator Crack Index	76	73	73	73	73	73
Longitudinal Crack Index	80	90	90	53	53	73
Transverse Cracking Index	90	90	90	90	90	90
Patching Index	92	90	90	90	90	90
Rutting Index	84	90	73	73	73	73
International Roughness Index (IRI)	N/A	N/A	N/A	N/A	N/A	N/A
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	20.6	20.5	22.3	22.3	20	20
Lane Width (ft)	9.6	9.3	10.3	10.3	8.7	8.7

Virgin Islands National Park

ROUTE 0020AZ: STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION A

Subcomponent of Route VIIS-0020ZZ

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

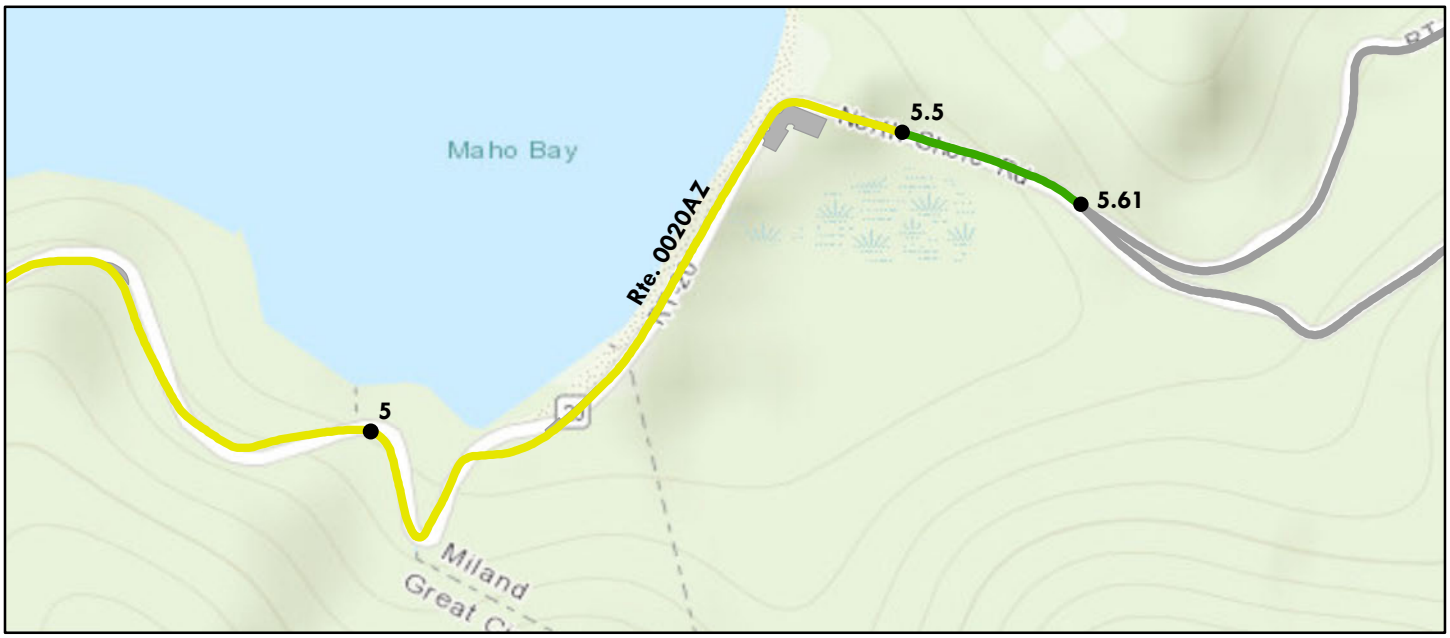
Inspection Date: 3/22/2022	**Beginning Section MP**	2.50	3.00	3.50	4.00	4.50
Paved Length (Miles): 5.61	**Section Length (MI)**	0.50	0.50	0.50	0.50	0.50
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	76	73	73	53	53	73
Surface Condition Rating (SCR)	76	73	73	53	53	73
Roughness Condition Index (RCI)	N/A	N/A	N/A	N/A	N/A	N/A
Distress Index Values						
Structural Crack Index	N/A	N/A	N/A	N/A	N/A	N/A
Alligator Crack Index	76	73	73	73	73	73
Longitudinal Crack Index	80	90	90	53	53	73
Transverse Cracking Index	90	90	90	90	90	90
Patching Index	92	90	90	90	90	90
Rutting Index	84	90	73	73	73	73
International Roughness Index (IRI)	N/A	N/A	N/A	N/A	N/A	N/A
Lane & Width Information						
Number of Lanes	2	2	2	2	2	2
Paved Width (ft)	20.6	20.5	22.3	22.3	20	20
Lane Width (ft)	9.6	9.3	10.3	10.3	8.7	8.7

Virgin Islands National Park

ROUTE 0020AZ: STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION A

Subcomponent of Route VIIS-0020ZZ

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: 3/22/2022	**Beginning Section MP**	5.00	5.50			
Paved Length (Miles): 5.61	**Section Length (MI)**	0.50	0.11			
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	76	73	90			
Surface Condition Rating (SCR)	76	73	90			
Roughness Condition Index (RCI)	N/A	N/A	N/A			
Distress Index Values						
Structural Crack Index	N/A	N/A	N/A			
Alligator Crack Index	76	90	90			
Longitudinal Crack Index	80	73	90			
Transverse Cracking Index	90	90	90			
Patching Index	92	90	90			
Rutting Index	84	90	90			
International Roughness Index (IRI)	N/A	N/A	N/A			
Lane & Width Information						
Number of Lanes	2	2	2			
Paved Width (ft)	20.6	19.2	19.2			
Lane Width (ft)	9.6	9.6	9.6			

Virgin Islands National Park

ROUTE 0020AZ: STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION A

Condition Photos

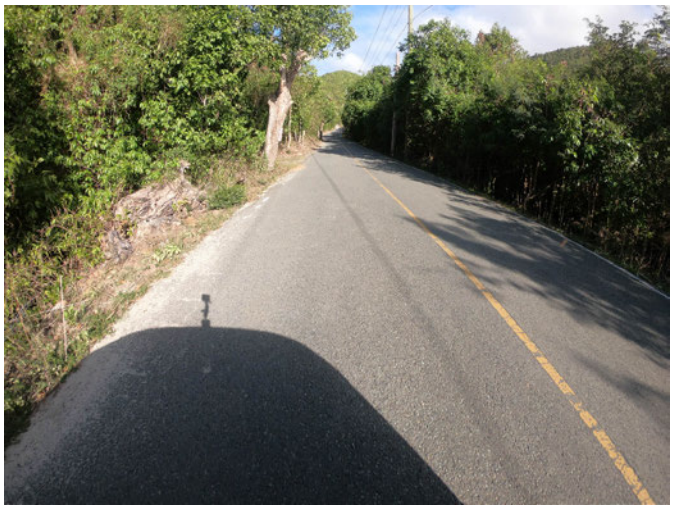
VIIS_0020AZ_0.032.jpg

VIIS_0020AZ_1.118.jpg

VIIS_0020AZ_2.021.jpg

VIIS_0020AZ_3.226.jpg

VIIS_0020AZ_4.198.jpg



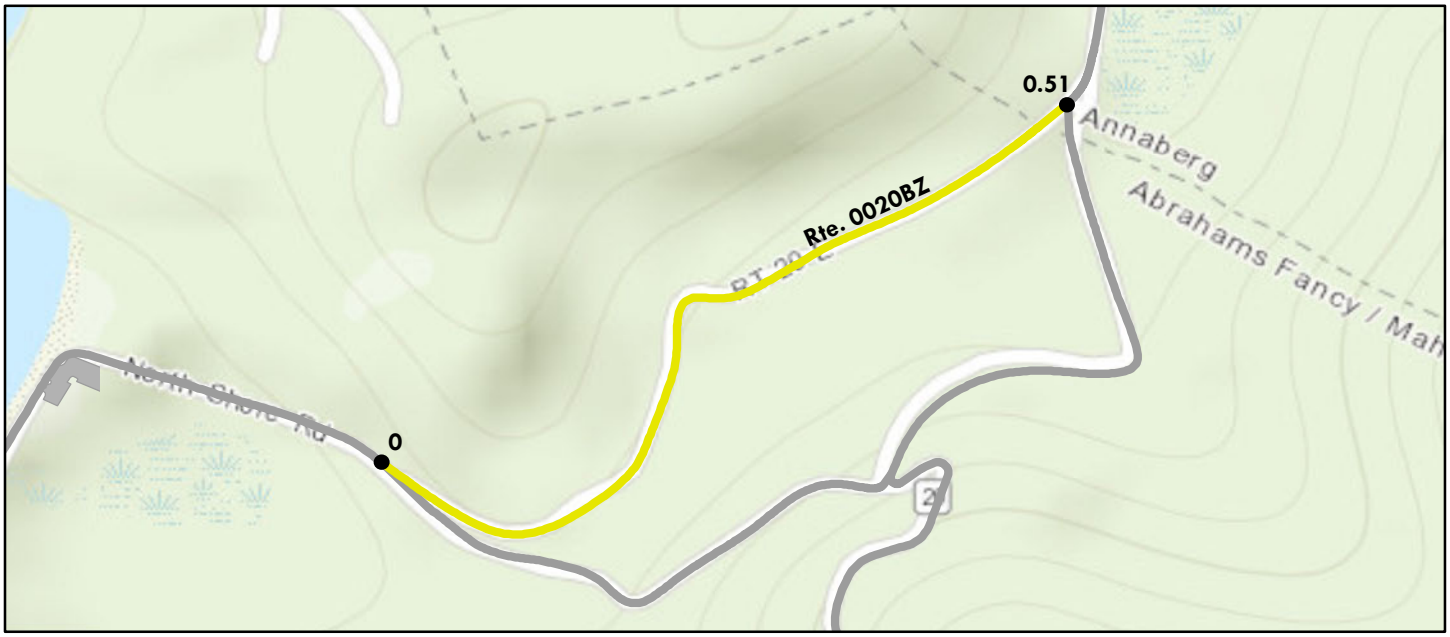
VIIS_0020AZ_5.486.jpg

Virgin Islands National Park

ROUTE 0020BZ: STATE HIGHWAY 20 / NORTH SHORE ONE-WAY ROAD EASTBOUND

Subcomponent of Route VIIS-0020ZZ

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: 3/22/2022	**Beginning Section MP**	0.00					
Paved Length (Miles): 0.51	**Section Length (MI)**	0.51					
Surface Type: ASPHALT	**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	73	73					
Longitudinal Crack Index	90	90					
Transverse Cracking Index	90	90					
Patching Index	90	90					
Rutting Index	90	90					
International Roughness Index (IRI)	N/A	N/A					
Lane & Width Information							
Number of Lanes	1	1					
Paved Width (ft)	11.6	11.6					
Lane Width (ft)	10.7	10.7					

Virgin Islands National Park

ROUTE 0020BZ: STATE HIGHWAY 20 / NORTH SHORE ONE-WAY ROAD EASTBOUND

Condition Photos

VIIS_0020BZ_0.020.jpg

VIIS_0020BZ_0.086.jpg

VIIS_0020BZ_0.155.jpg

VIIS_0020BZ_0.290.jpg

VIIS_0020BZ_0.432.jpg

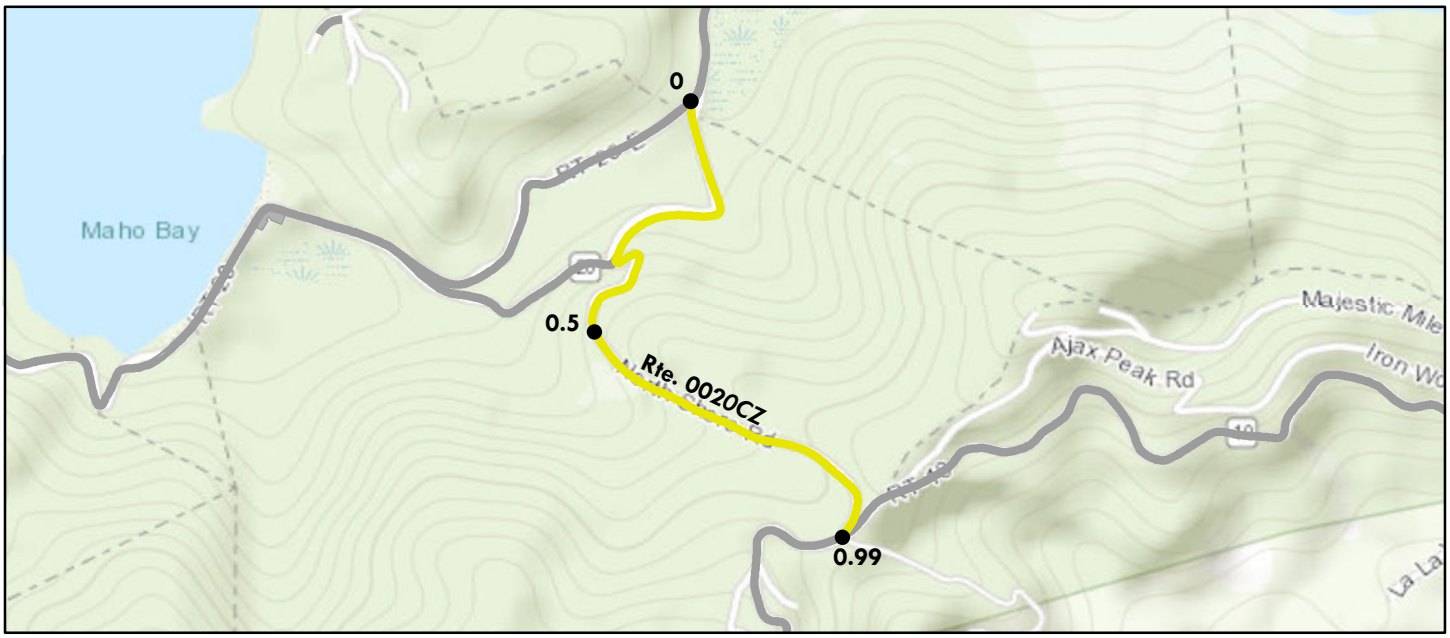
VIIS_0020BZ_0.504.jpg

Virgin Islands National Park

ROUTE 0020CZ: STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION C

Subcomponent of Route VIIS-0020ZZ

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: 3/23/2022	**Beginning Section MP**	0.00	0.50				
Paved Length (Miles): 0.99	**Section Length (MI)**	0.50	0.49				
Surface Type: ASPHALT	**Route Summary**						
Roadway Condition Information							
Pavement Condition Rating (PCR)	73	73	73				
Surface Condition Rating (SCR)	73	73	73				
Roughness Condition Index (RCI)	N/A	N/A	N/A				
Distress Index Values							
Structural Crack Index	N/A	N/A	N/A				
Alligator Crack Index	73	73	73				
Longitudinal Crack Index	81	73	90				
Transverse Cracking Index	90	90	90				
Patching Index	90	90	90				
Rutting Index	90	90	90				
International Roughness Index (IRI)	N/A	N/A	N/A				
Lane & Width Information							
Number of Lanes	2	2	2				
Paved Width (ft)	19.9	19.9	19.9				
Lane Width (ft)	9.5	9.5	9.5				

Virgin Islands National Park

ROUTE 0020CZ: STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION C

Condition Photos

VIIS_0020CZ_0.088.jpg

VIIS_0020CZ_0.277.jpg

VIIS_0020CZ_0.355.jpg

VIIS_0020CZ_0.464.jpg

VIIS_0020CZ_0.640.jpg

VIIS_0020CZ_0.838.jpg

Virgin Islands National Park

ROUTE 0020DZ: STATE HIGHWAY 20 / NORTH SHORE ONE-WAY ROAD WESTBOUND

Subcomponent of Route VIIS-0020ZZ

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: 3/22/2022	**Beginning Section MP**	0.00					
Paved Length (Miles): 0.33	**Section Length (MI)**	0.33					
Surface Type: ASPHALT	**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	73	73					
Longitudinal Crack Index	73	73					
Transverse Cracking Index	90	90					
Patching Index	97	97					
Rutting Index	73	73					
International Roughness Index (IRI)	N/A	N/A					
Lane & Width Information							
Number of Lanes	1	1					
Paved Width (ft)	10.3	10.3					
Lane Width (ft)	9.8	9.8					

Virgin Islands National Park

ROUTE 0020DZ: STATE HIGHWAY 20 / NORTH SHORE ONE-WAY ROAD WESTBOUND

Condition Photos

VIIS_0020DZ_0.010.jpg

VIIS_0020DZ_0.028.jpg

VIIS_0020DZ_0.092.jpg

VIIS_0020DZ_0.135.jpg

VIIS_0020DZ_0.186.jpg

VIIS_0020DZ_0.274.jpg

Virgin Islands National Park

ROUTE 0100ZZ: LAMESHUR ROADS

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:	3/22/2022
Paved Length (Miles):	1.05
Surface Type:	CONCRETE
Roadway Condition Information	
Pavement Condition Rating (PCR)	66
Lane & Width Information	
Number of Lanes	2
Paved Width (ft)	19.5
Lane Width (ft)	8.5

Virgin Islands National Park

ROUTE 0100AZ: LAMESHUR ROAD A

Subcomponent of Route VIIS-0100ZZ

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: 3/22/2022	**Beginning Section MP**	0.00	0.50			
Paved Length (Miles): 0.75	**Section Length (MI)**	0.50	0.25			
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	73	73	73			
Surface Condition Rating (SCR)	73	73	73			
Roughness Condition Index (RCI)	N/A	N/A	N/A			
Distress Index Values						
Structural Crack Index	N/A	N/A	N/A			
Alligator Crack Index	79	73	90			
Longitudinal Crack Index	73	73	73			
Transverse Cracking Index	90	90	90			
Patching Index	81	73	97			
Rutting Index	90	90	90			
International Roughness Index (IRI)	N/A	N/A	N/A			
Lane & Width Information						
Number of Lanes	2	2	2			
Paved Width (ft)	21.5	21.5	21.5			
Lane Width (ft)	9	9	9			

Virgin Islands National Park

ROUTE 0100AZ: LAMESHUR ROAD A

Condition Photos

VIIS_0100AZ_0.022.jpg

VIIS_0100AZ_0.175.jpg

VIIS_0100AZ_0.328.jpg

VIIS_0100AZ_0.473.jpg

VIIS_0100AZ_0.628.jpg

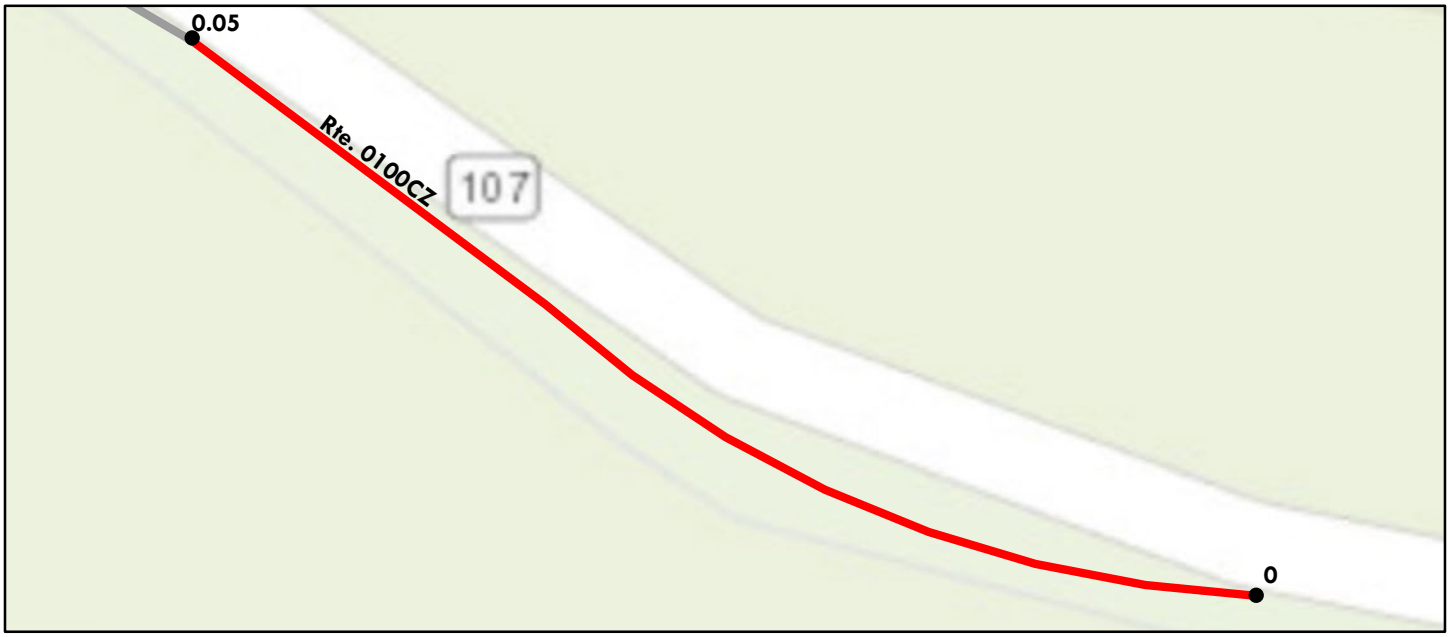
VIIS_0100AZ_0.745.jpg

Virgin Islands National Park

ROUTE 0100CZ: LAMESHUR ROAD C

Subcomponent of Route VIIS-0100ZZ

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:	3/22/2022	**Beginning Section MP**	0.00				
Paved Length (Miles):	0.05	**Section Length (MI)**	0.05				
Surface Type:	CONCRETE	**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		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		2	2				
Paved Width (ft)		17	17				
Lane Width (ft)		8.5	8.5				

Concrete Distress Indices: Slab Cracking (90), Surface Delamination and Popouts (73), Joint Distress (53), Joint Faulting (73), Patches (90).

Virgin Islands National Park

ROUTE 0100CZ: LAMESHUR ROAD C

Condition Photos

VIIS_0100CZ_0.000.jpg

VIIS_0100CZ_0.004.jpg

VIIS_0100CZ_0.016.jpg

VIIS_0100CZ_0.029.jpg

VIIS_0100CZ_0.039.jpg

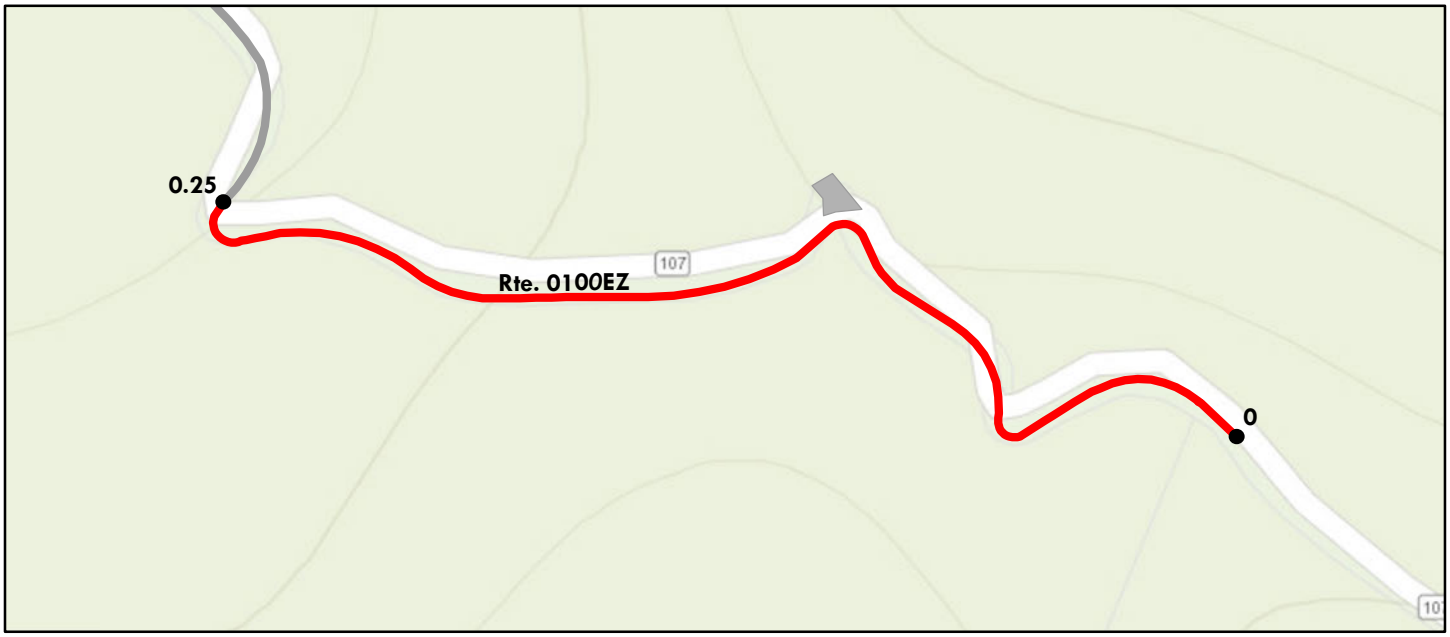
VIIS_0100CZ_0.048.jpg

Virgin Islands National Park

ROUTE 0100EZ: LAMESHUR ROAD E

Subcomponent of Route VIIS-0100ZZ

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:	3/22/2022	**Beginning Section MP**	0.00				
Paved Length (Miles):	0.25	**Section Length (MI)**	0.25				
Surface Type:	CONCRETE	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		30	30				
Surface Condition Rating (SCR)		30	30				
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		2	2				
Paved Width (ft)		14	14				
Lane Width (ft)		7	7				

Concrete Distress Indices: Slab Cracking (30), Surface Delamination and Popouts (53), Joint Distress (30), Joint Faulting (73), Patches (90).

Virgin Islands National Park

ROUTE 0100EZ: LAMESHUR ROAD E

Condition Photos

VIIS_0100EZ_0.005.jpg

VIIS_0100EZ_0.049.jpg

VIIS_0100EZ_0.105.jpg

VIIS_0100EZ_0.137.jpg

VIIS_0100EZ_0.202.jpg

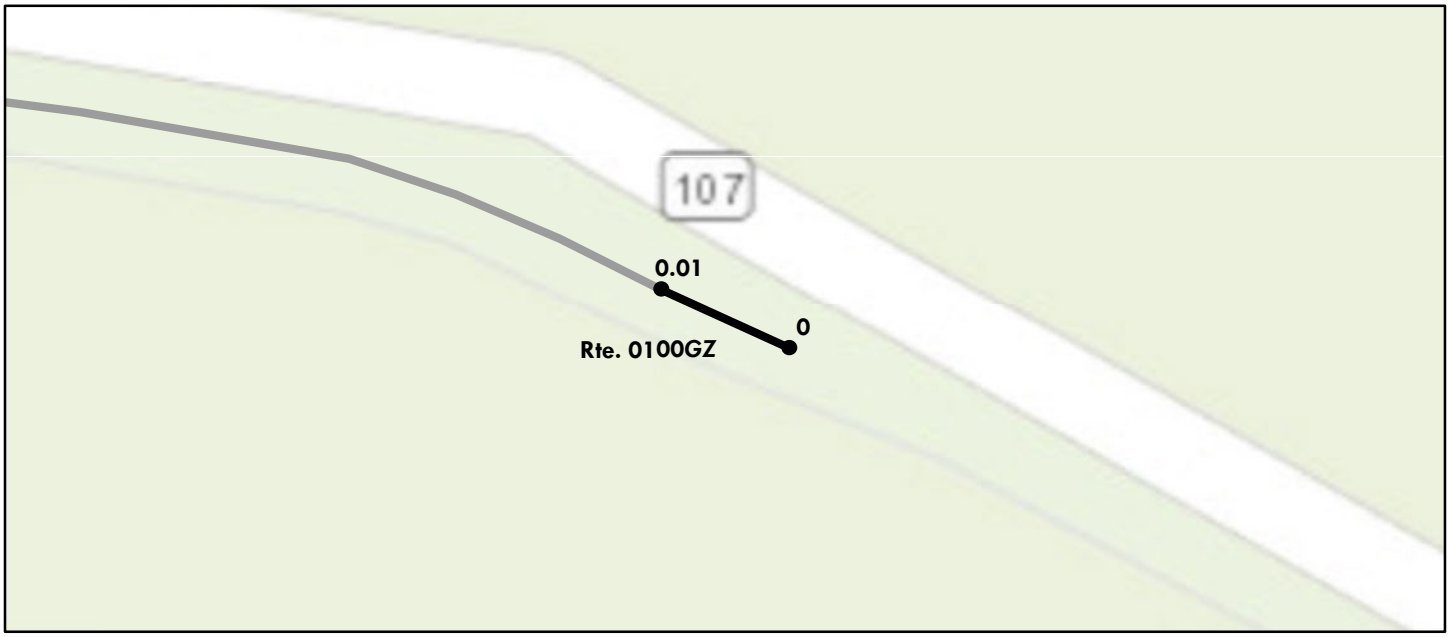
VIIS_0100EZ_0.242.jpg

Virgin Islands National Park

ROUTE 0100GZ: LAMESHUR ROAD G

Subcomponent of Route VIIS-0100ZZ

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:	3/22/2022	**Beginning Section MP**	0.00				
Paved Length (Miles):	0.01	**Section Length (MI)**	0.01				
Surface Type:	CONCRETE	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		N/A	N/A				
Surface Condition Rating (SCR)		N/A	N/A				
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		2	2				
Paved Width (ft)		14	14				
Lane Width (ft)		7	7				

Note: Route was not rated because 50% of the road was flooded.

Virgin Islands National Park

ROUTE 0100GZ: LAMESHUR ROAD G

Condition Photos

VIIS_0100GZ_0.000.jpg

VIIS_0100GZ_0.001.jpg

VIIS_0100GZ_0.002.jpg

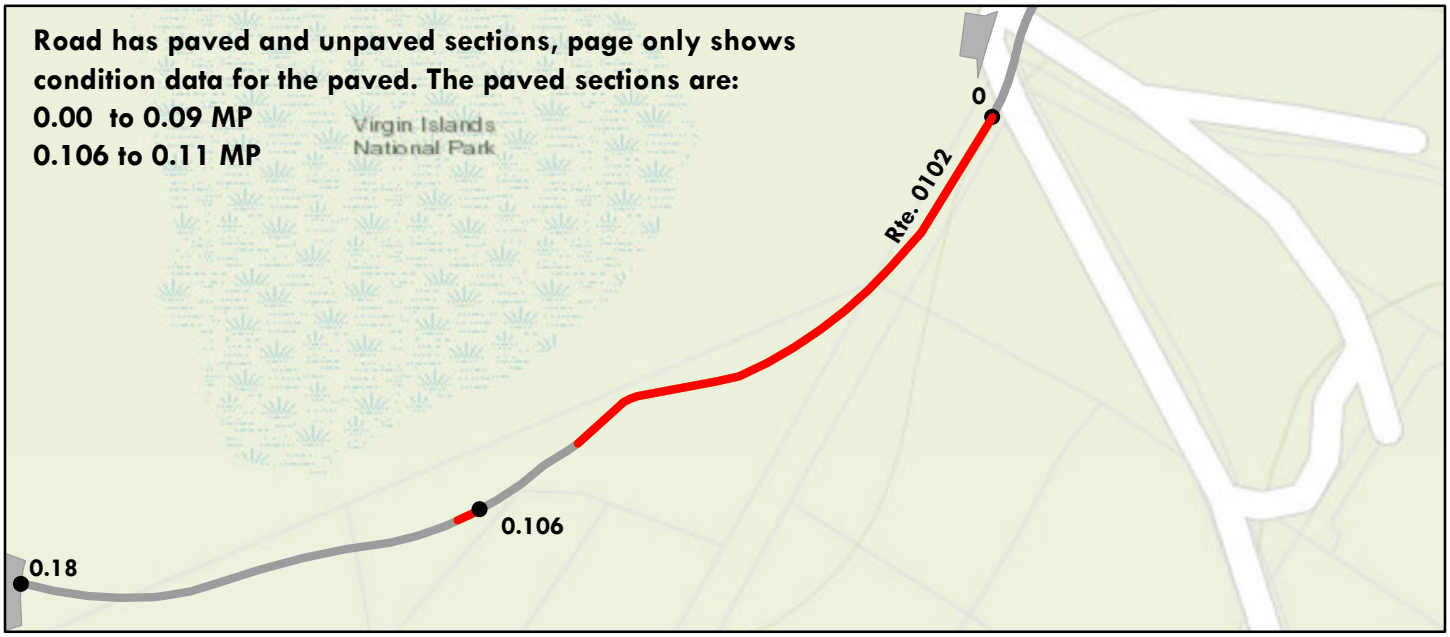
VIIS_0100GZ_0.003.jpg

VIIS_0100GZ_0.004.jpg

Virgin Islands National Park

ROUTE 0102: FRANCIS BAY ACCESS

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:	3/23/2022	**Beginning Section MP**	0.00	0.106			
Paved Length (Miles):	0.09	**Section Length (MI)**	0.09	0.11			
Surface Type:	CONCRETE	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		53	53	53			
Surface Condition Rating (SCR)		53	53	53			
Roughness Condition Index (RCI)		N/A	N/A	N/A			
Distress Index Values							
Structural Crack Index		N/A	N/A	N/A			
Alligator Crack Index		N/A	N/A	N/A			
Longitudinal Crack Index		N/A	N/A	N/A			
Transverse Cracking Index		N/A	N/A	N/A			
Patching Index		N/A	N/A	N/A			
Rutting Index		N/A	N/A	N/A			
International Roughness Index (IRI)		N/A	N/A	N/A			
Lane & Width Information							
Number of Lanes		2	2	2			
Paved Width (ft)		14	14	14			
Lane Width (ft)		7	7	7			

Concrete Distress Indices: Slab Cracking (90), Surface Delamination and Popouts (73), Joint Distress (53), Joint Faulting (73), Patches (90).

Virgin Islands National Park

ROUTE 0102: FRANCIS BAY ACCESS

Condition Photos

VIIS_0102_0.008.jpg

VIIS_0102_0.027.jpg

VIIS_0102_0.055.jpg

VIIS_0102_0.083.jpg

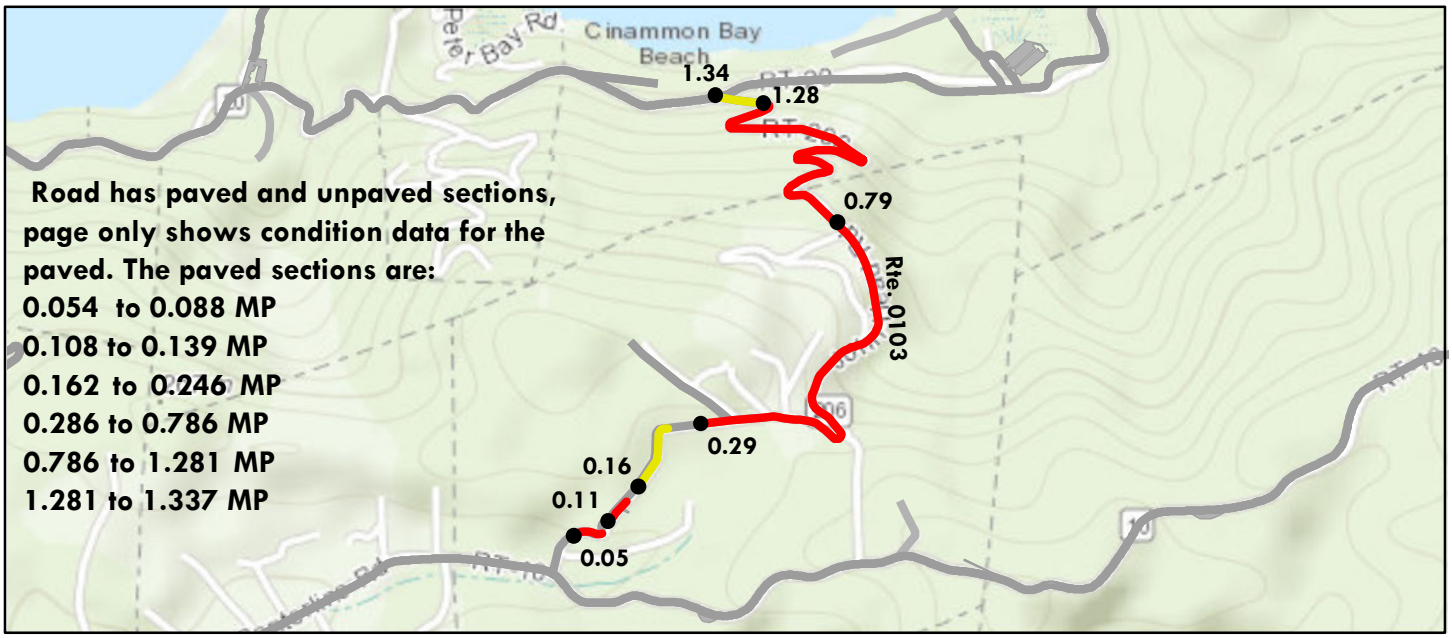
VIIS_0102_0.094.jpg

VIIS_0102_0.124.jpg

Virgin Islands National Park

ROUTE 0103: STATE HIGHWAY 206 (JOHN HEAD ROAD) SECTION A

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

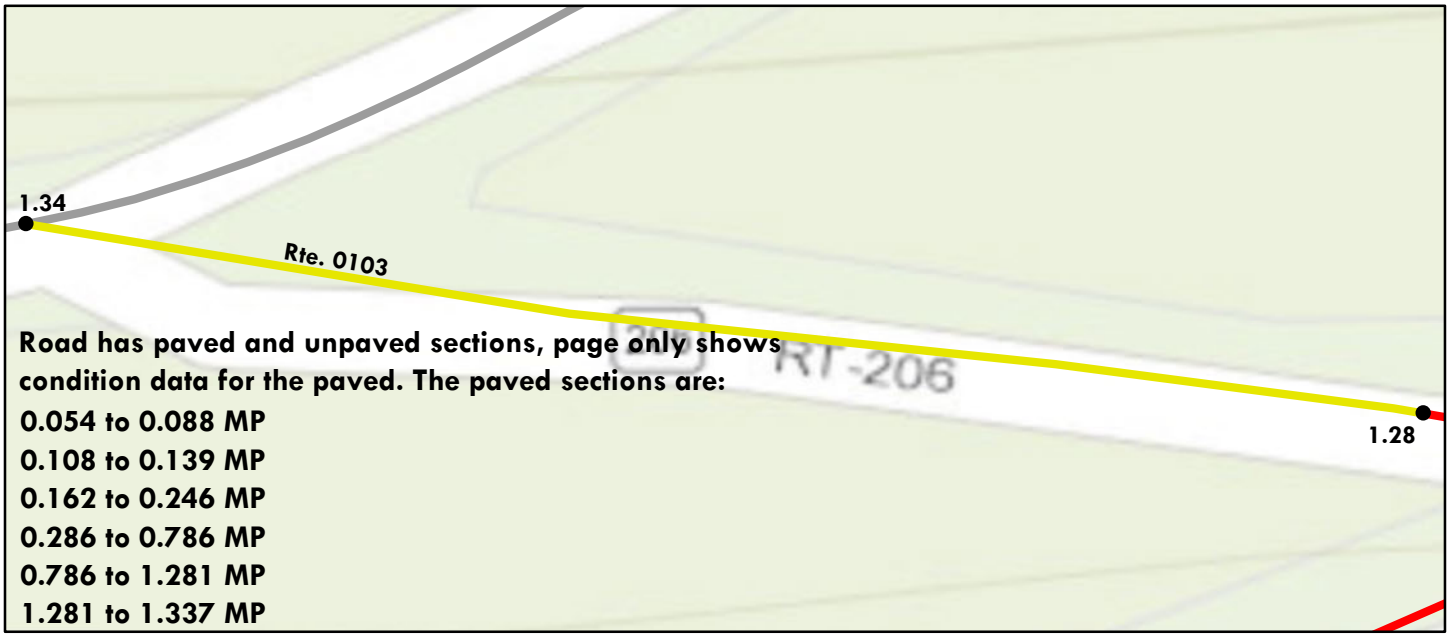
See Appendix for definitions and formulas

Inspection Date: 3/23/2022	**Beginning Section MP**	0.05	0.11	0.16	0.29	0.79
Paved Length (Miles): 1.20	**Section Length (MI)**	0.03	0.03	0.08	0.50	0.50
Surface Type: CONCRETE	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	45	30	30	73	53	30
Surface Condition Rating (SCR)	45	30	30	73	53	30
Roughness Condition Index (RCI)	N/A	N/A	N/A	N/A	N/A	N/A
Distress Index Values						
Structural Crack Index	N/A	N/A	N/A	N/A	N/A	N/A
Alligator Crack Index	73	N/A	N/A	N/A	N/A	N/A
Longitudinal Crack Index	90	N/A	N/A	N/A	N/A	N/A
Transverse Cracking Index	90	N/A	N/A	N/A	N/A	N/A
Patching Index	73	N/A	N/A	N/A	N/A	N/A
Rutting Index	97	N/A	N/A	N/A	N/A	N/A
International Roughness Index (IRI)	N/A	N/A	N/A	N/A	N/A	N/A
Lane & Width Information						
Number of Lanes	1	1	1	1	1	1
Paved Width (ft)	12	12	12	12	12.5	11.5
Lane Width (ft)	12	12	12	12	12.5	11.5

Virgin Islands National Park

ROUTE 0103: STATE HIGHWAY 206 (JOHN HEAD ROAD) SECTION A

Manual Rating



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: 3/23/2022	**Beginning Section MP**	1.28					
Paved Length (Miles): 1.20	**Section Length (MI)**	0.06					
Surface Type: CONCRETE	**Route Summary**						
Roadway Condition Information							
Pavement Condition Rating (PCR)	45	73					
Surface Condition Rating (SCR)	45	73					
Roughness Condition Index (RCI)	N/A	N/A					
Distress Index Values							
Structural Crack Index	N/A	N/A					
Alligator Crack Index	73	73					
Longitudinal Crack Index	90	90					
Transverse Cracking Index	90	90					
Patching Index	73	73					
Rutting Index	97	97					
International Roughness Index (IRI)	N/A	N/A					
Lane & Width Information							
Number of Lanes	1	1					
Paved Width (ft)	12	11					
Lane Width (ft)	12	11					

Virgin Islands National Park

ROUTE 0103: STATE HIGHWAY 206 (JOHN HEAD ROAD) SECTION A

Condition Photos

VIIS_0103_0.006.jpg

VIIS_0103_0.200.jpg

VIIS_0103_0.686.jpg

VIIS_0103_0.862.jpg

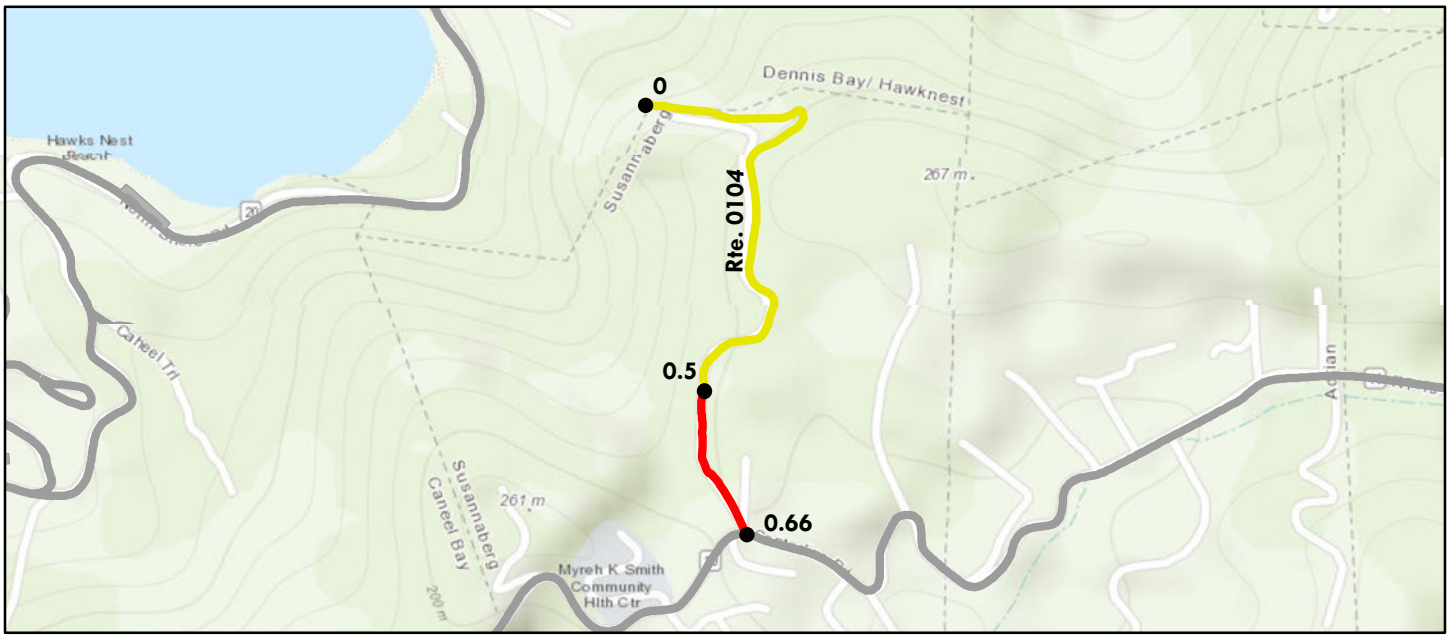
VIIS_0103_1.110.jpg

VIIS_0103_1.316.jpg

Virgin Islands National Park

ROUTE 0104: STATE HIGHWAY 204 (SUSANNABERG 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:	3/23/2022	**Beginning Section MP**	0.00	0.50			
Paved Length (Miles):	0.66	**Section Length (MI)**	0.50	0.16			
Surface Type:	CONCRETE	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		63	73	30			
Surface Condition Rating (SCR)		63	73	30			
Roughness Condition Index (RCI)		N/A	N/A	N/A			
Distress Index Values							
Structural Crack Index		N/A	N/A	N/A			
Alligator Crack Index		N/A	N/A	N/A			
Longitudinal Crack Index		N/A	N/A	N/A			
Transverse Cracking Index		N/A	N/A	N/A			
Patching Index		N/A	N/A	N/A			
Rutting Index		N/A	N/A	N/A			
International Roughness Index (IRI)		N/A	N/A	N/A			
Lane & Width Information							
Number of Lanes		1	1	1			
Paved Width (ft)		10	10	10			
Lane Width (ft)		10	10	10			

Note: Section between 0.130 MP to 0.168 MP (0.038 miles) is in poor condition (0). Section between 0.363 MP to 0.437 MP (0.074 miles) is in poor condition (30). Section between 0.572 MP to 0.623 MP (0.051 miles) is in poor condition; concrete is gone and looks unpaved.

Virgin Islands National Park

ROUTE 0104: STATE HIGHWAY 204 (SUSANNABERG ROAD)

Condition Photos

VIIS_0104_0.008.jpg

VIIS_0104_0.124.jpg

VIIS_0104_0.290.jpg

VIIS_0104_0.395.jpg

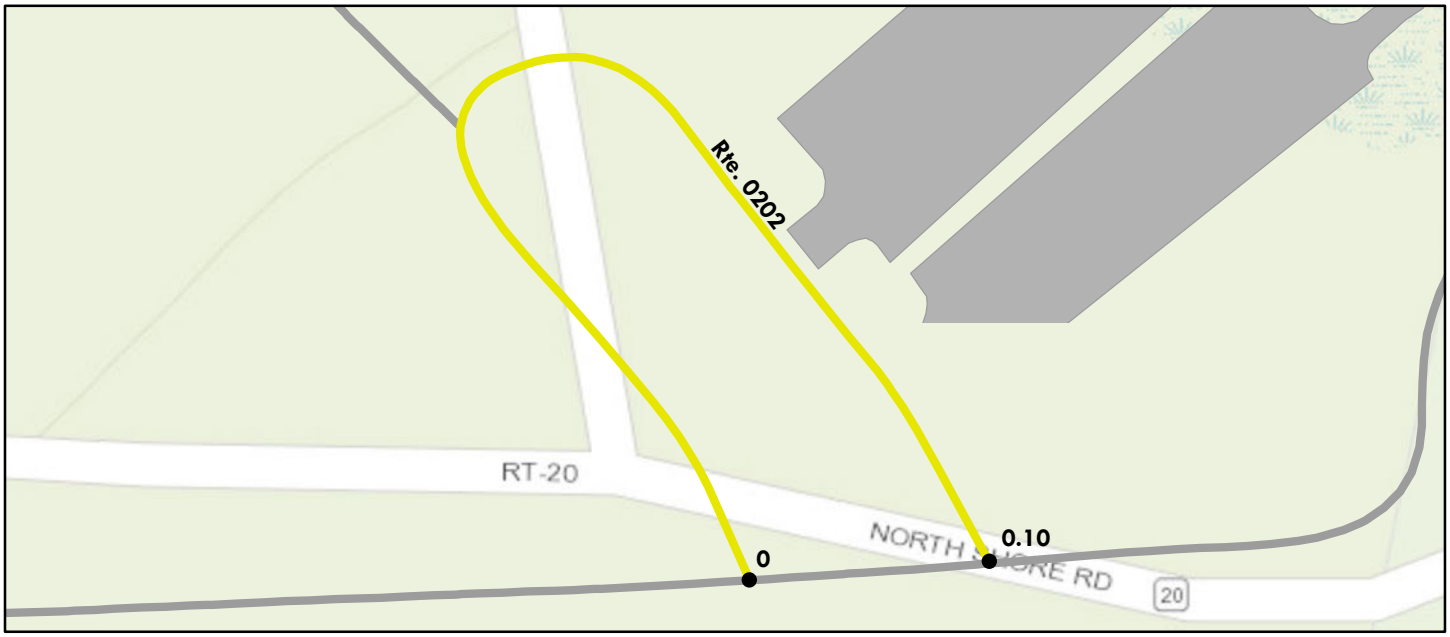
VIIS_0104_0.478.jpg

VIIS_0104_0.642.jpg

Virgin Islands National Park

ROUTE 0202: CINNAMON BAY 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: 3/23/2022	**Beginning Section MP**	0.00					
Paved Length (Miles): 0.10	**Section Length (MI)**	0.10					
Surface Type: ASPHALT	**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	73	73					
Longitudinal Crack Index	90	90					
Transverse Cracking Index	90	90					
Patching Index	90	90					
Rutting Index	73	73					
International Roughness Index (IRI)	N/A	N/A					
Lane & Width Information							
Number of Lanes	1	1					
Paved Width (ft)	10.8	10.8					
Lane Width (ft)	10.8	10.8					

Virgin Islands National Park

ROUTE 0202: CINNAMON BAY ROAD

Condition Photos

VIIS_0202_0.007.jpg

VIIS_0202_0.029.jpg

VIIS_0202_0.046.jpg

VIIS_0202_0.058.jpg

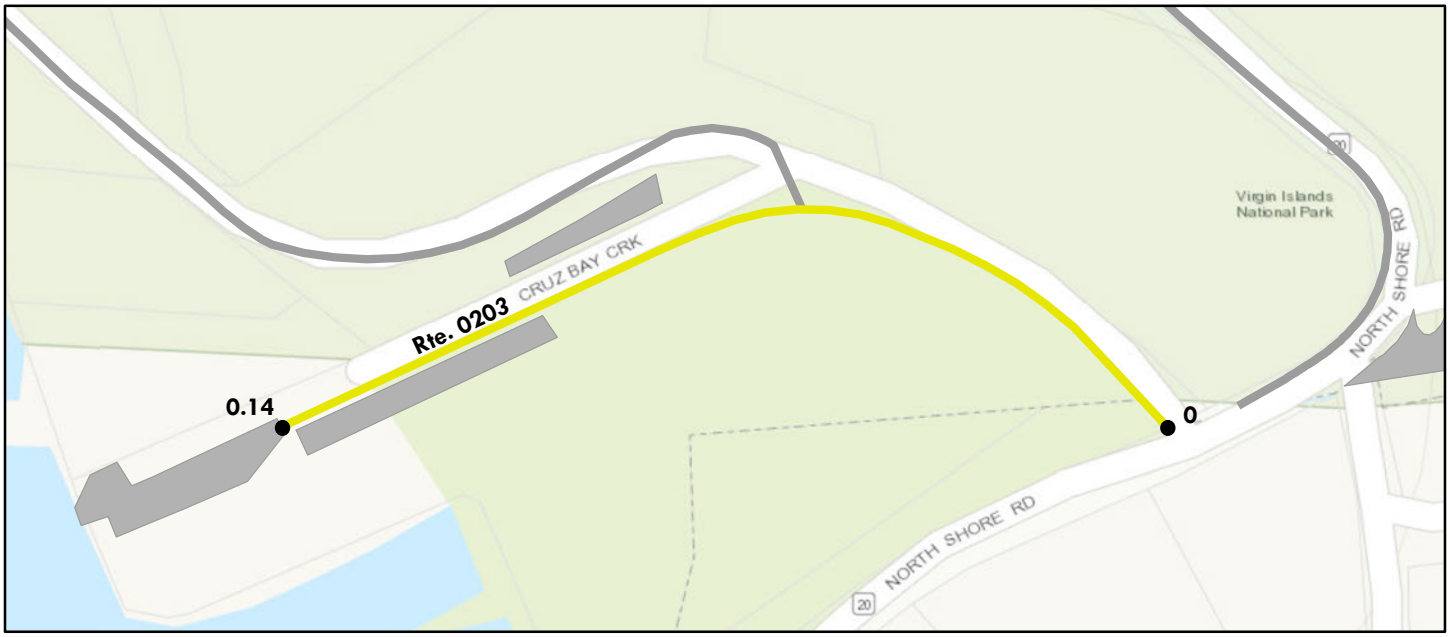
VIIS_0202_0.070.jpg

VIIS_0202_0.087.jpg

Virgin Islands National Park

ROUTE 0203: CRUZ BAY VISITOR CENTER 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:	3/22/2022	**Beginning Section MP**	0.00				
Paved Length (Miles):	0.14	**Section Length (MI)**	0.14				
Surface Type:	ASPHALT	**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		73	73				
Longitudinal Crack Index		90	90				
Transverse Cracking Index		90	90				
Patching Index		73	73				
Rutting Index		90	90				
International Roughness Index (IRI)		N/A	N/A				
Lane & Width Information							
Number of Lanes		2	2				
Paved Width (ft)		21.2	21.2				
Lane Width (ft)		10.6	10.6				

Virgin Islands National Park

ROUTE 0203: CRUZ BAY VISITOR CENTER ROAD

Condition Photos

VIIS_0203_0.016.jpg

VIIS_0203_0.046.jpg

VIIS_0203_0.071.jpg

VIIS_0203_0.091.jpg

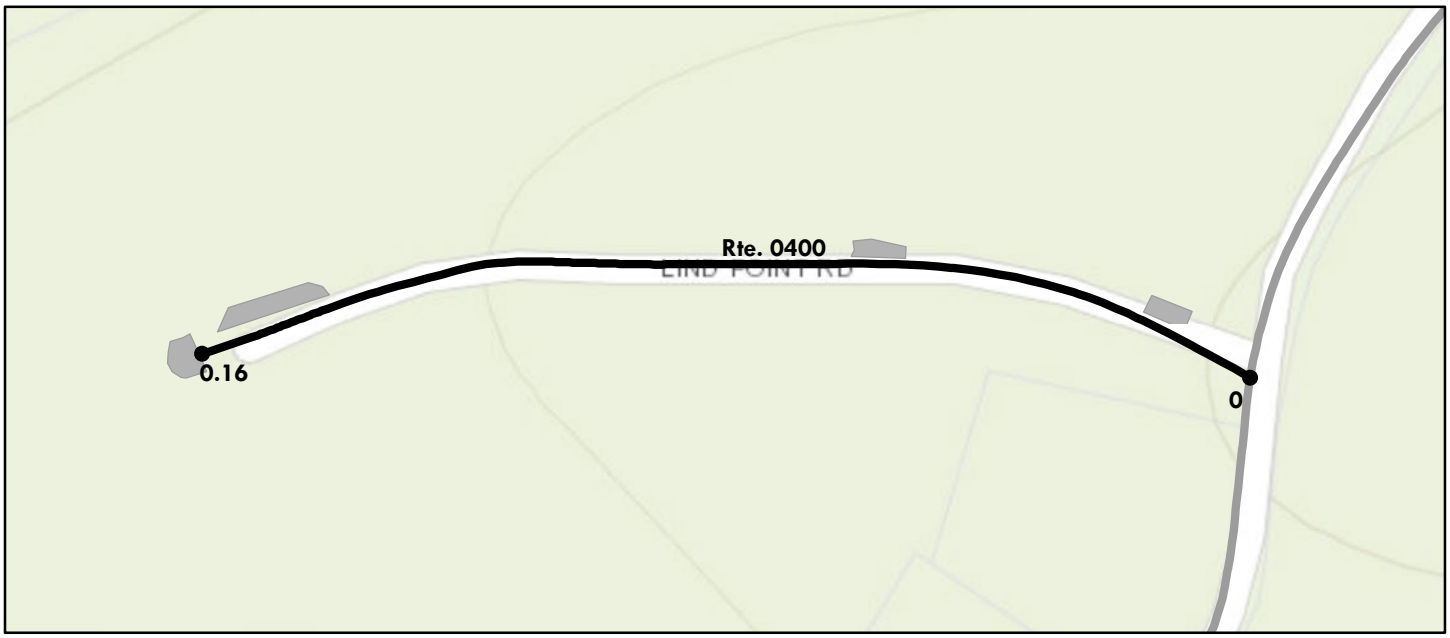
VIIS_0203_0.103.jpg

VIIS_0203_0.115.jpg

Virgin Islands National Park

ROUTE 0400: LIND POINT RESIDENCE 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: 3/23/2022	**Beginning Section MP**	0.00				
Paved Length (Miles): 0.16	**Section Length (MI)**	0.16				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	N/A	N/A				
Surface Condition Rating (SCR)	N/A	N/A				
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	2	2				
Paved Width (ft)	16.5	16.5				
Lane Width (ft)	8.3	8.3				

Note: Road was under construction.

Virgin Islands National Park

ROUTE 0400: LIND POINT RESIDENCE ROAD

Condition Photos

VIIS_0400_0.005.jpg

VIIS_0400_0.022.jpg

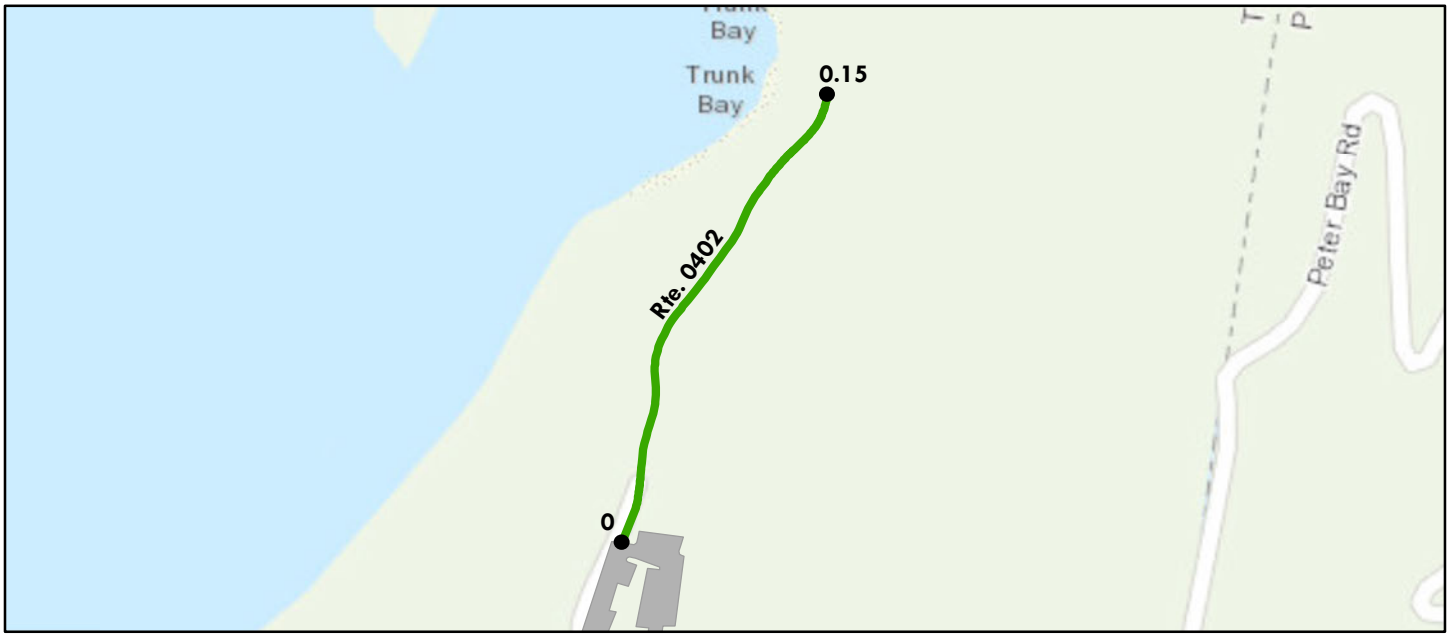
VIIS_0400_0.027.jpg

VIIS_0400_0.031.jpg

Virgin Islands National Park

ROUTE 0402: TRUNK BAY RESIDENCE ACCESS A

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:	3/23/2022	**Beginning Section MP**	0.00				
Paved Length (Miles):	0.15	**Section Length (MI)**	0.15				
Surface Type:	CONCRETE	**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		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)		10.6	10.6				
Lane Width (ft)		10.6	10.6				

Concrete Distress Indices: Slab Cracking (97), Surface Delamination and Popouts (90), Joint Distress (97), Joint Faulting (90), Patches (97).

Virgin Islands National Park

ROUTE 0402: TRUNK BAY RESIDENCE ACCESS A

Condition Photos

VIIS_0402_0.008.JPG

VIIS_0402_0.025.JPG

VIIS_0402_0.037.JPG

VIIS_0402_0.059.JPG

VIIS_0402_0.094.JPG

VIIS_0402_0.115.JPG

Virgin Islands National Park

ROUTE 0404ZZ: CINNAMON BAY DANISH WAREHOUSE ROADS

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:	3/23/2022
Paved Length (Miles):	0.06
Surface Type:	ASPHALT

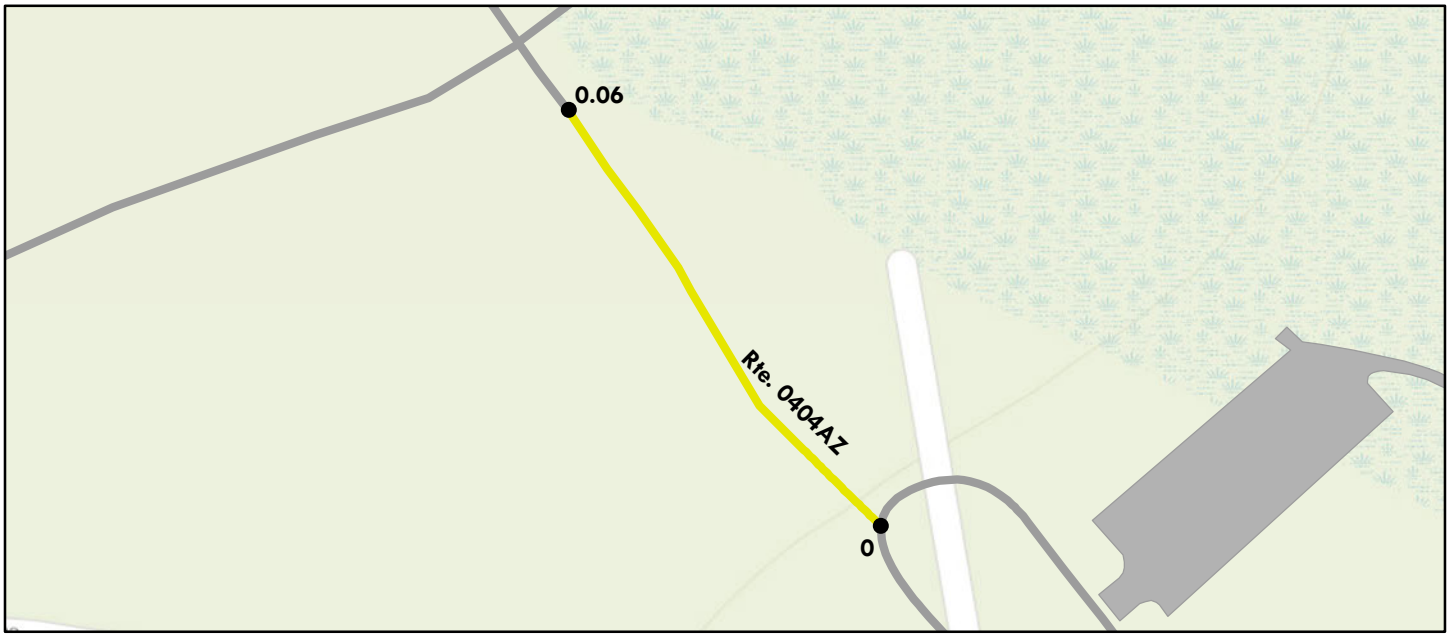
	Route Summary
Roadway Condition Information	
Pavement Condition Rating (PCR)	73
Lane & Width Information	
Number of Lanes	1
Paved Width (ft)	11.6
Lane Width (ft)	11.6

Virgin Islands National Park

ROUTE 0404AZ: CINNAMON BAY DANISH WAREHOUSE ROAD

Subcomponent of Route VIIS-0404ZZ

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: 3/23/2022	**Beginning Section MP**	0.00					
Paved Length (Miles): 0.06	**Section Length (MI)**	0.06					
Surface Type: ASPHALT	**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	90	90					
Longitudinal Crack Index	90	90					
Transverse Cracking Index	97	97					
Patching Index	73	73					
Rutting Index	90	90					
International Roughness Index (IRI)	N/A	N/A					
Lane & Width Information							
Number of Lanes	1	1					
Paved Width (ft)	11.6	11.6					
Lane Width (ft)	11.6	11.6					

Virgin Islands National Park

ROUTE 0404AZ: CINNAMON BAY DANISH WAREHOUSE ROAD

Condition Photos

VIIS_0404AZ_0.008.jpg

VIIS_0404AZ_0.014.jpg

VIIS_0404AZ_0.026.jpg

VIIS_0404AZ_0.034.jpg

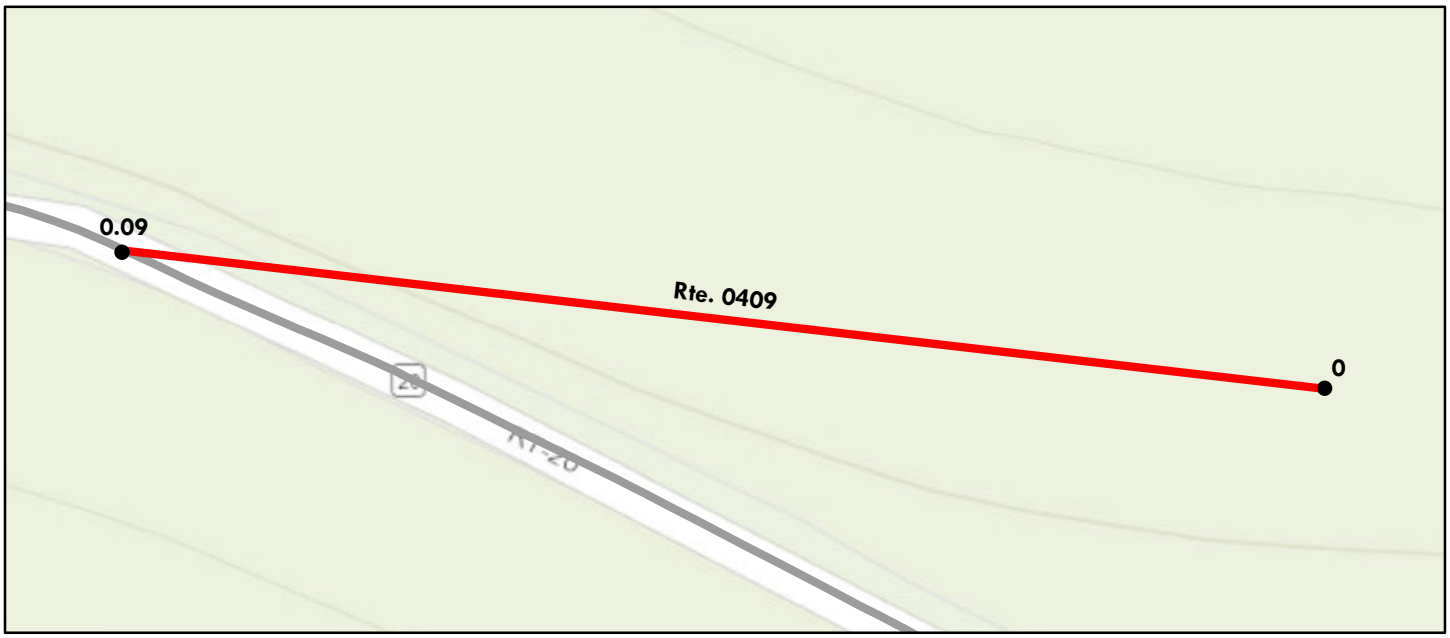
VIIS_0404AZ_0.040.jpg

VIIS_0404AZ_0.049.jpg

Virgin Islands National Park

ROUTE 0409: CNB LITTLE CINNAMON ENTRANCE 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: 3/23/2022	**Beginning Section MP**	0.00					
Paved Length (Miles): 0.09	**Section Length (MI)**	0.09					
Surface Type: ASPHALT	**Route Summary**						
Roadway Condition Information							
Pavement Condition Rating (PCR)	30	30					
Surface Condition Rating (SCR)	30	30					
Roughness Condition Index (RCI)	N/A	N/A					
Distress Index Values							
Structural Crack Index	N/A	N/A					
Alligator Crack Index	30	30					
Longitudinal Crack Index	90	90					
Transverse Cracking Index	90	90					
Patching Index	97	97					
Rutting Index	73	73					
International Roughness Index (IRI)	N/A	N/A					
Lane & Width Information							
Number of Lanes	1	1					
Paved Width (ft)	11	11					
Lane Width (ft)	11	11					

Virgin Islands National Park

ROUTE 0409: CNB LITTLE CINNAMON ENTRANCE ROAD

Condition Photos

VIIS_0409_0.009.jpg

VIIS_0409_0.019.jpg

VIIS_0409_0.033.jpg

VIIS_0409_0.046.jpg

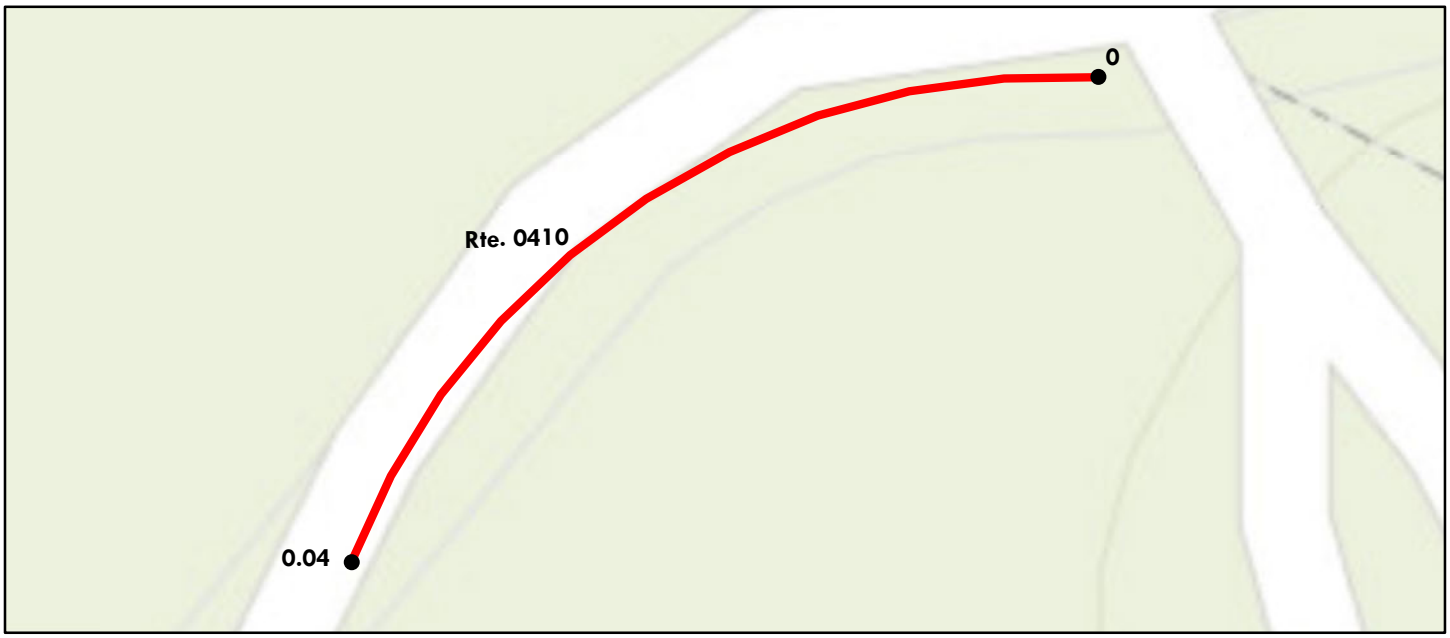
VIIS_0409_0.065.jpg

VIIS_0409_0.082.jpg

Virgin Islands National Park

ROUTE 0410: MAHO BAY 178 ISLAND FANCY 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:	3/23/2022	**Beginning Section MP**	0.00				
Paved Length (Miles):	0.04	**Section Length (MI)**	0.04				
Surface Type:	CONCRETE	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		30	30				
Surface Condition Rating (SCR)		30	30				
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)		9	9				
Lane Width (ft)		9	9				

Concrete Distress Indices: Slab Cracking (30), Surface Delamination and Popouts (53), Joint Distress (73), Joint Faulting (73), Patches (90).

Virgin Islands National Park

ROUTE 0410: MAHO BAY 178 ISLAND FANCY ROAD

Condition Photos

VIIS_0410_0.002.jpg

VIIS_0410_0.009.jpg

VIIS_0410_0.016.jpg

VIIS_0410_0.021.jpg

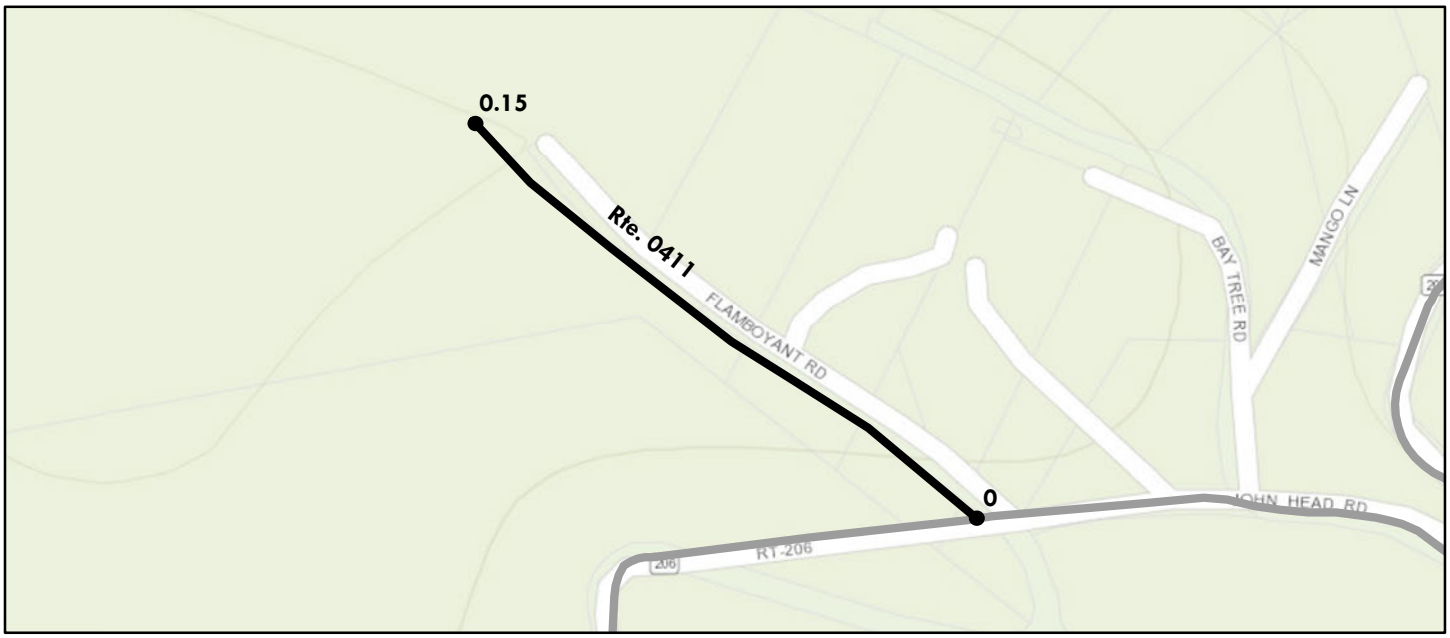
VIIS_0410_0.027.jpg

VIIS_0410_0.032.jpg

Virgin Islands National Park

ROUTE 0411: CALLAHAN DRIVEWAY

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

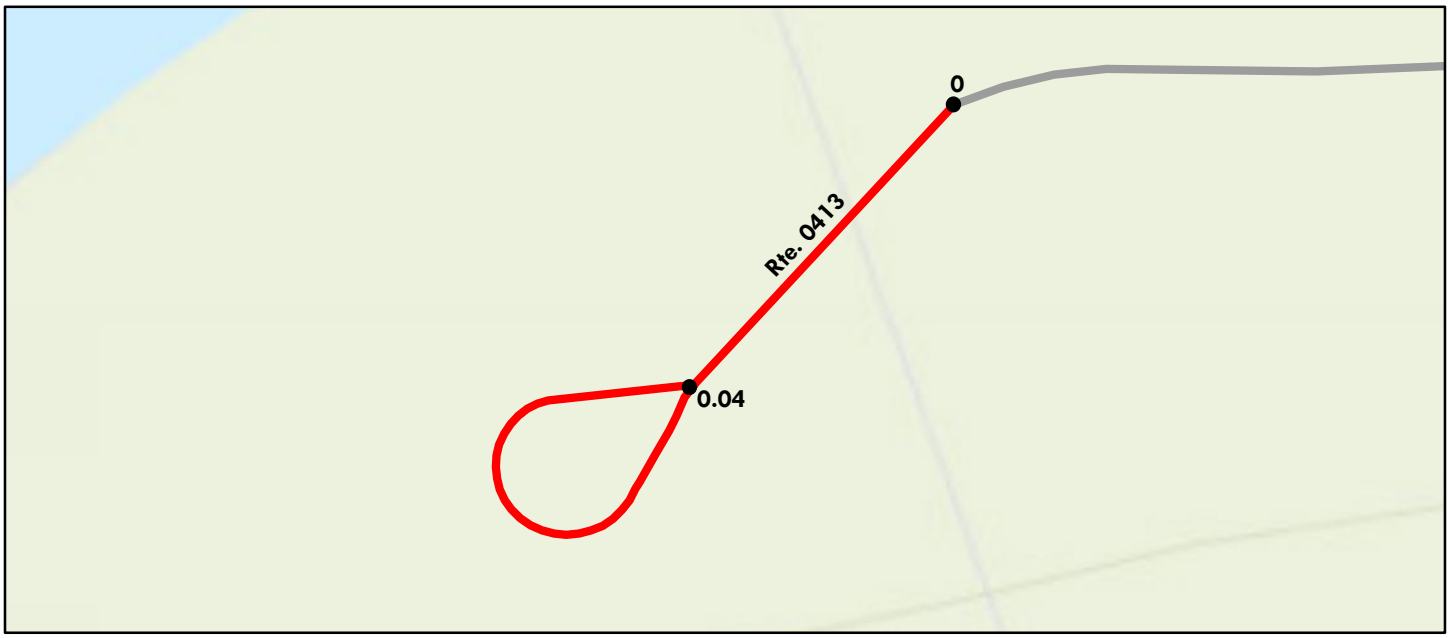
Inspection Date:	3/23/2022	**Beginning Section MP**	0.00				
Paved Length (Miles):	0.15	**Section Length (MI)**	0.15				
Surface Type:	CONCRETE	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		N/A	N/A				
Surface Condition Rating (SCR)		N/A	N/A				
Roughness 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)		9	9				
Lane Width (ft)		9	9				

Note: Route was not rated because it was inaccessible.

Virgin Islands National Park

ROUTE 0413: LYNE HOUSE 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:	3/22/2022	**Beginning Section MP**	0.00				
Paved Length (Miles):	0.04	**Section Length (MI)**	0.04				
Surface Type:	CONCRETE	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		30	30				
Surface Condition Rating (SCR)		30	30				
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)		9.5	9.5				
Lane Width (ft)		9.5	9.5				

Concrete Distress Indices: Slab Cracking (53), Surface Delamination and Popouts (30), Joint Distress (73), Joint Faulting (73), Patches (90). Portion of the road is unpaved.

Virgin Islands National Park

ROUTE 0413: LYNE HOUSE ROAD

Condition Photos

VIIS_0413_0.004.jpg

VIIS_0413_0.010.jpg

VIIS_0413_0.024.jpg

VIIS_0413_0.026.jpg

VIIS_0413_0.029.jpg

VIIS_0413_0.032.jpg

Section 6
Paved Parking Area Condition Rating Sheets

Virgin Islands National Park

Federal Lands Highway
Road Inventory Program

Virgin Islands National Park

ROUTE 0900: CRUZ BAY MAINTENANCE PARKING

Manual Rating

FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)

TO PARKING

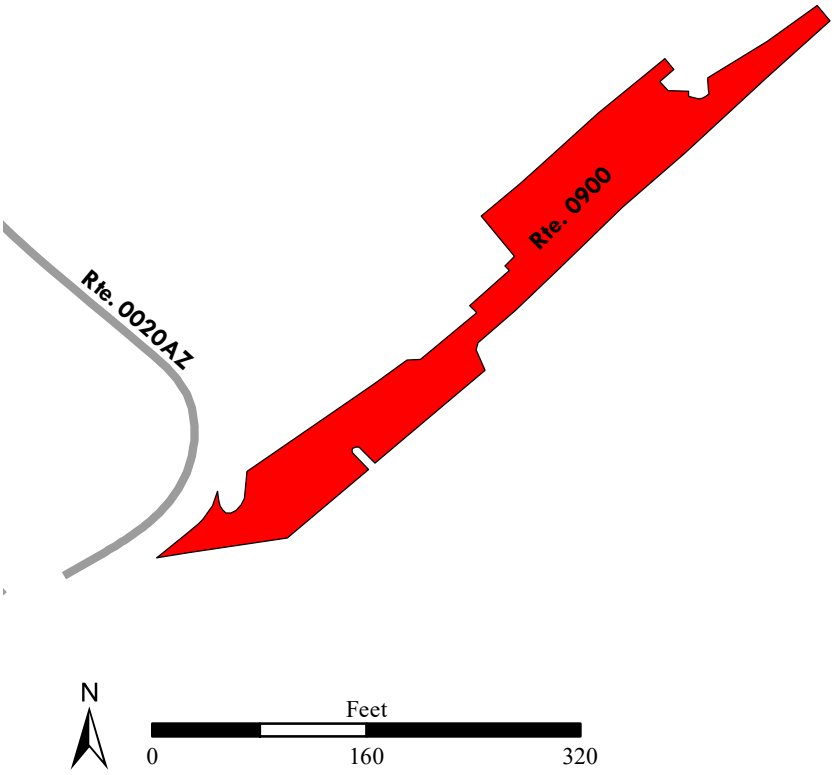
Inspection Date	FMSS Number	User Access	Surface Type
3/22/2022	35896	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
25,434	0.438	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 30	

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: 2 parts Asphalt at 22,141 square feet; 2 parts Concrete at 3,293 square feet.



Virgin Islands National Park

ROUTE 0901ZZ: CRUZ BAY VISITOR CENTER PARKING

Summary Route
Manual Rating

ADJACENT TO ROUTE 0203 (CRUZ BAY VISITOR CENTER ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
3/22/2022	35890	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
8,193	0.141	SUMMARY / 82	

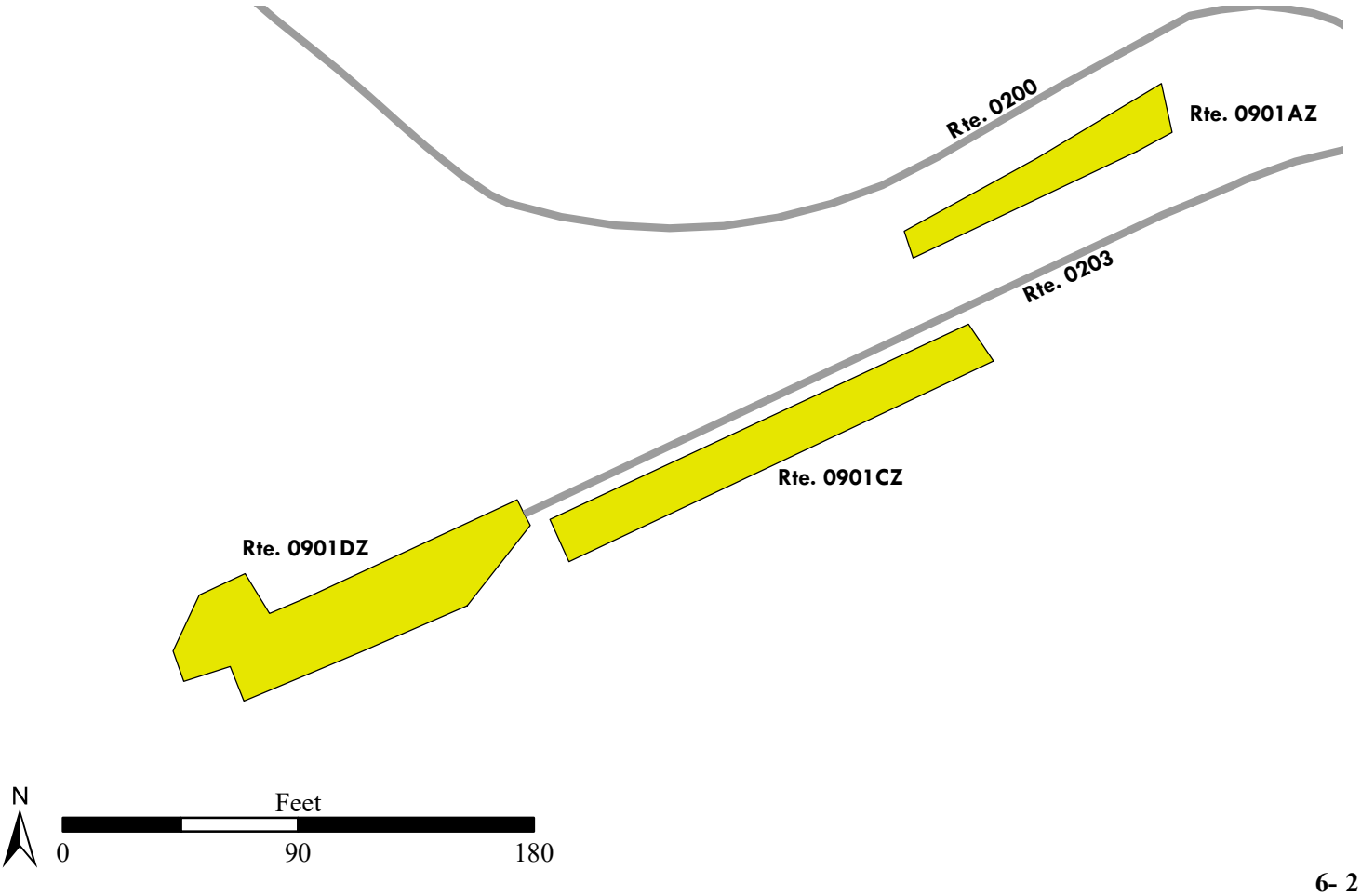
Route Condition Legend – Pavement Condition Rating (PCR)

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.

Route 0901ZZ
(3 Subcomponents))



Virgin Islands National Park

ROUTE 0901AZ: CRUZ BAY VISITOR CENTER A PARKING

Subcomponent of Route VIIS-0901ZZ
Manual Rating

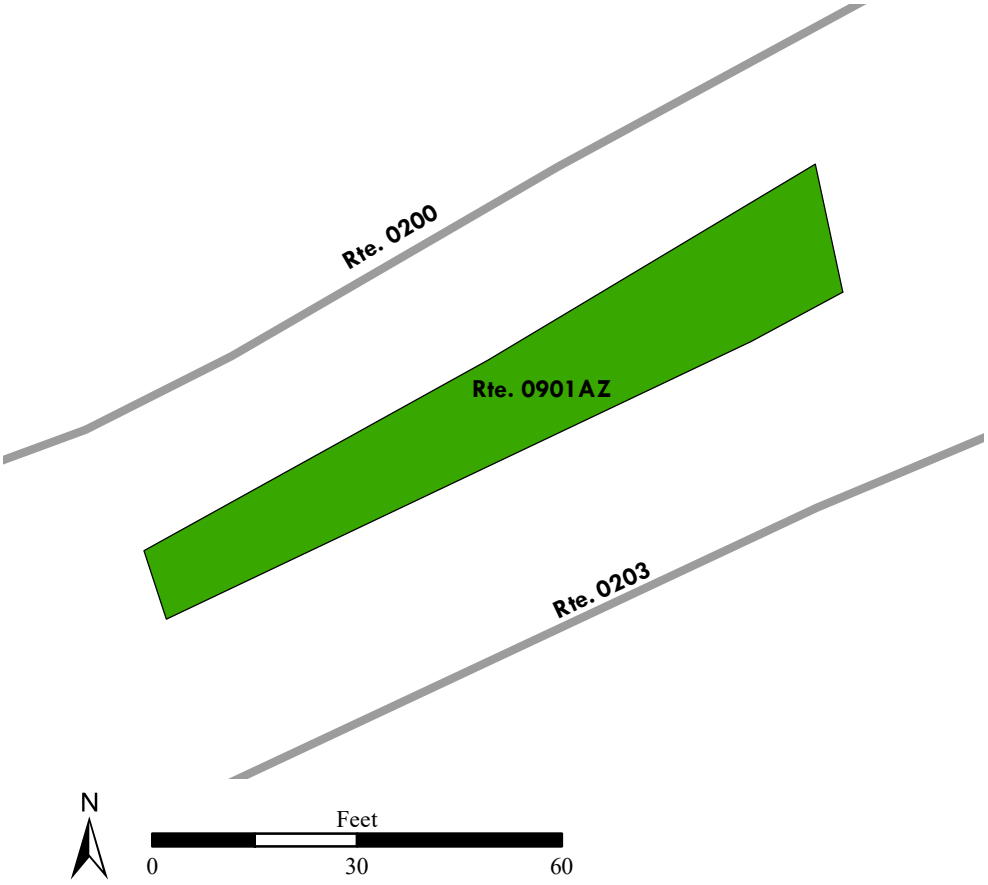
ADJACENT TO ROUTE 0203 (CRUZ BAY VISITOR CENTER ROAD) ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
3/22/2022	35890	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,513	0.026	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



Virgin Islands National Park

ROUTE 0901CZ: CRUZ BAY VISITOR CENTER C PARKING

Subcomponent of Route VIIS-0901ZZ

Manual Rating

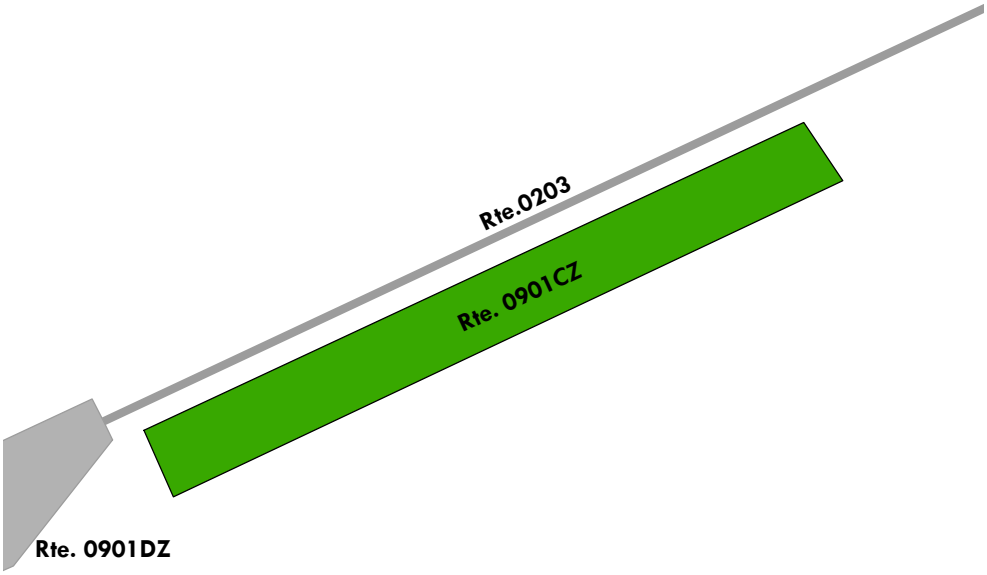
ADJACENT TO ROUTE 0203 (CRUZ BAY VISITOR CENTER ROAD) ON LEFT

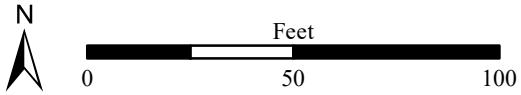
Inspection Date	FMSS Number	User Access	Surface Type
3/22/2022	35890	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,914	0.05	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**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





Virgin Islands National Park

ROUTE 0901DZ: CRUZ BAY VISITOR CENTER D PARKING

Subcomponent of Route VIIS-0901ZZ
Manual Rating

FROM END OF ROUTE 0203 (CRUZ BAY VISITOR CENTER ROAD)

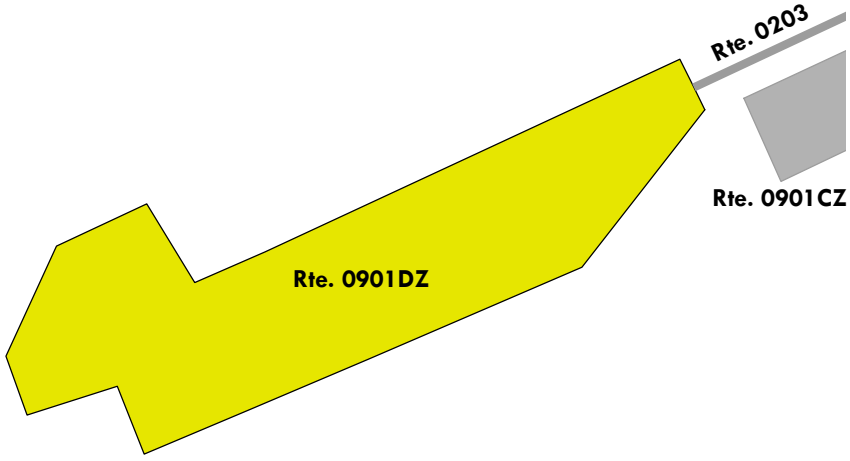
TO PARKING

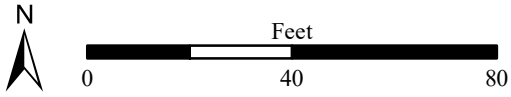
Inspection Date	FMSS Number	User Access	Surface Type
3/22/2022	35890	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
3,766	0.065	2	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition 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





Virgin Islands National Park

ROUTE 0902ZZ: LIND POINT VIRGIN ISLANDS BIOSPHERE RESERVE PARKING

Summary Route
Manual Rating

FROM ROUTE 0400 (LIND POINT RESIDENCE ROAD)

TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
3/22/2022	33298	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
2,208	0.038	SUMMARY / N/A	

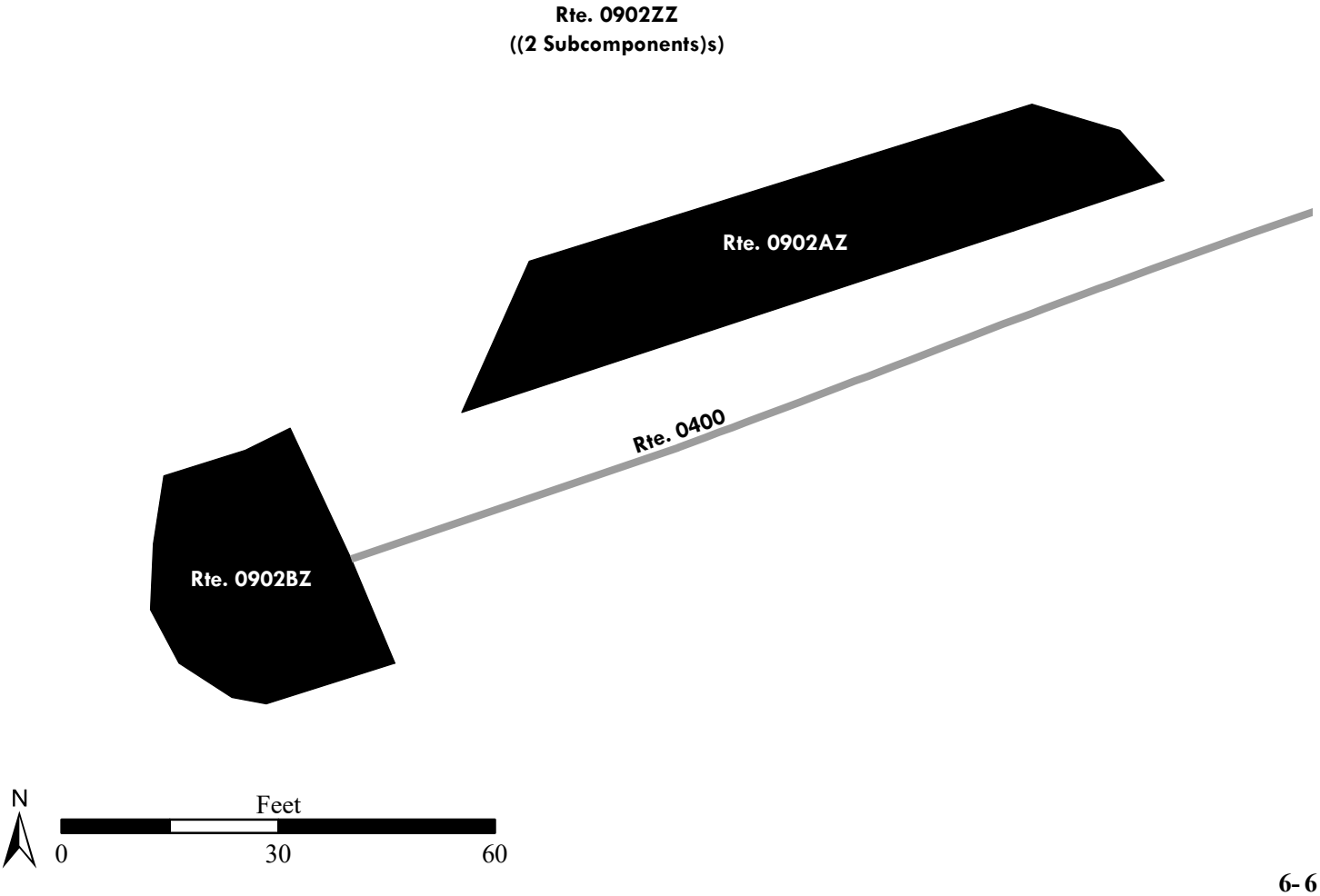
Route Condition Legend – Pavement Condition Rating (PCR)

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.

Note: Parking area was covered with debris since the area is under Construction.



Virgin Islands National Park

ROUTE 0902AZ: LIND POINT VIRGIN ISLANDS BIOSPHERE RESERVE A PARKING

Subcomponent of Route VIIS-0902ZZ
Manual Rating

ADJACENT TO ROUTE 0400 (LIND POINT RESIDENCE ROAD) ON RIGHT

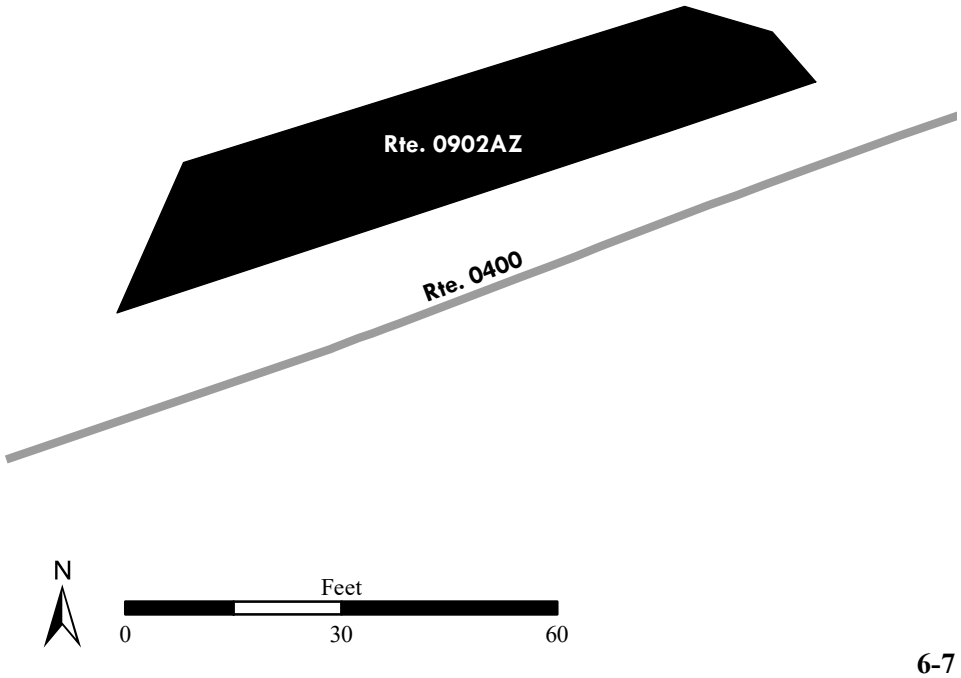
Inspection Date	FMSS Number	User Access	Surface Type
3/22/2022	33298	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,393	0.024	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
NOT APPLICABLE		NOT RATED	

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 was covered with debris since the area is under Construction.



Virgin Islands National Park

ROUTE 0902BZ: LIND POINT VIRGIN ISLANDS BIOSPHERE RESERVE B PARKING

Subcomponent of Route VIIS-0902ZZ
Manual Rating

FROM END OF ROUTE 0400 (LIND POINT RESIDENCE ROAD)

TO PARKING

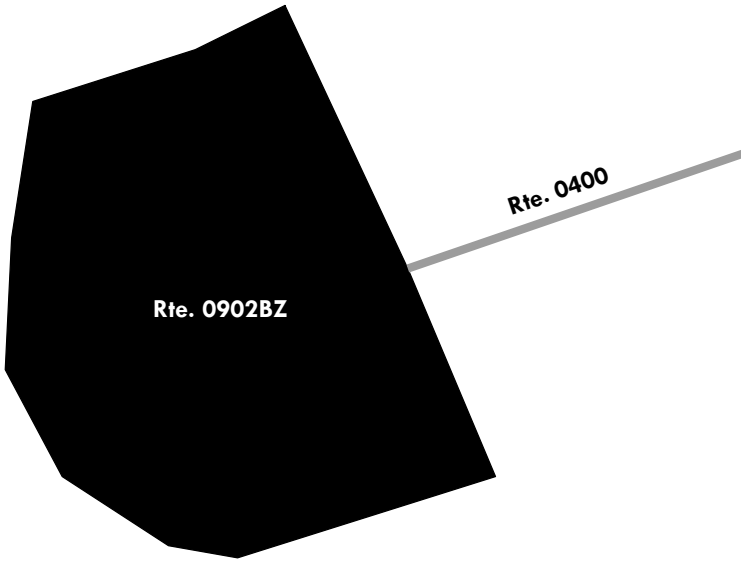
Inspection Date	FMSS Number	User Access	Surface Type
3/22/2022	33298	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
815	0.014	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
NOT APPLICABLE		NOT RATED	

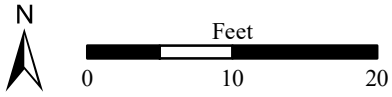
Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas

Note: Parking area was covered with debris since the area is under Construction.





Virgin Islands National Park

ROUTE 0903: HAWKSNEST BEACH PARKING

Manual Rating

FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)

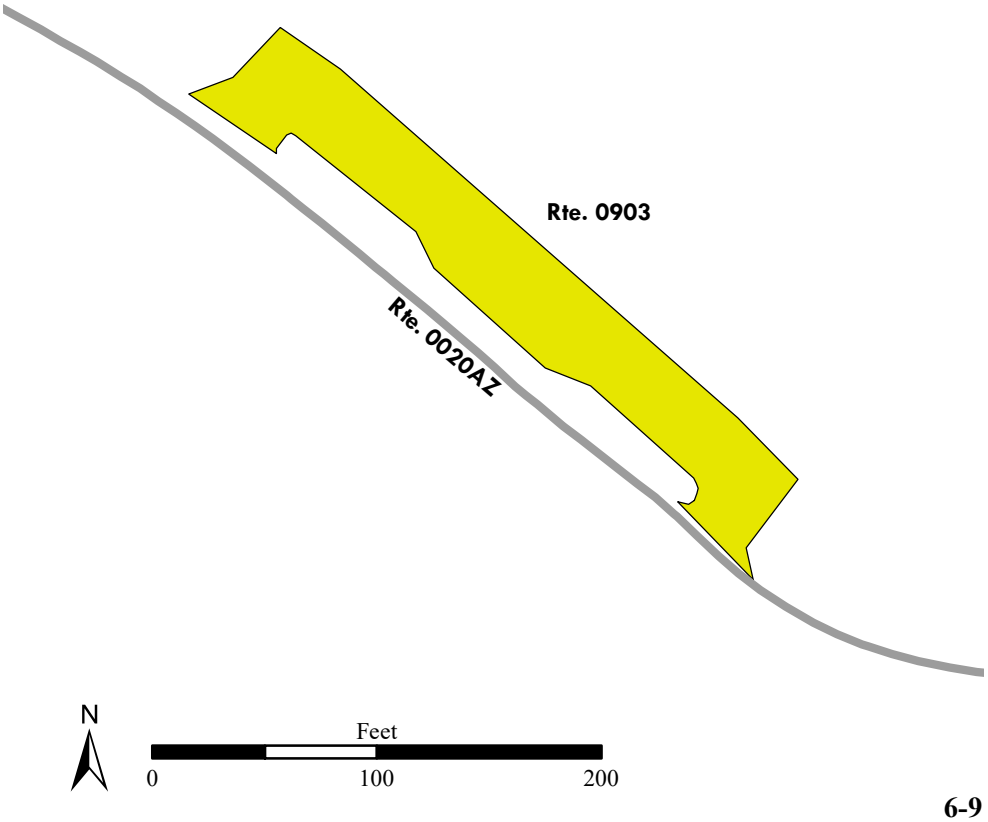
TO ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
3/23/2022	33346	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
11,167	0.192	9	DO NOTHING
Curb Type		**Curb & Gutter Type**	
STONE		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



Virgin Islands National Park

ROUTE 0904: PEACE HILL PARKING

Manual Rating

FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)

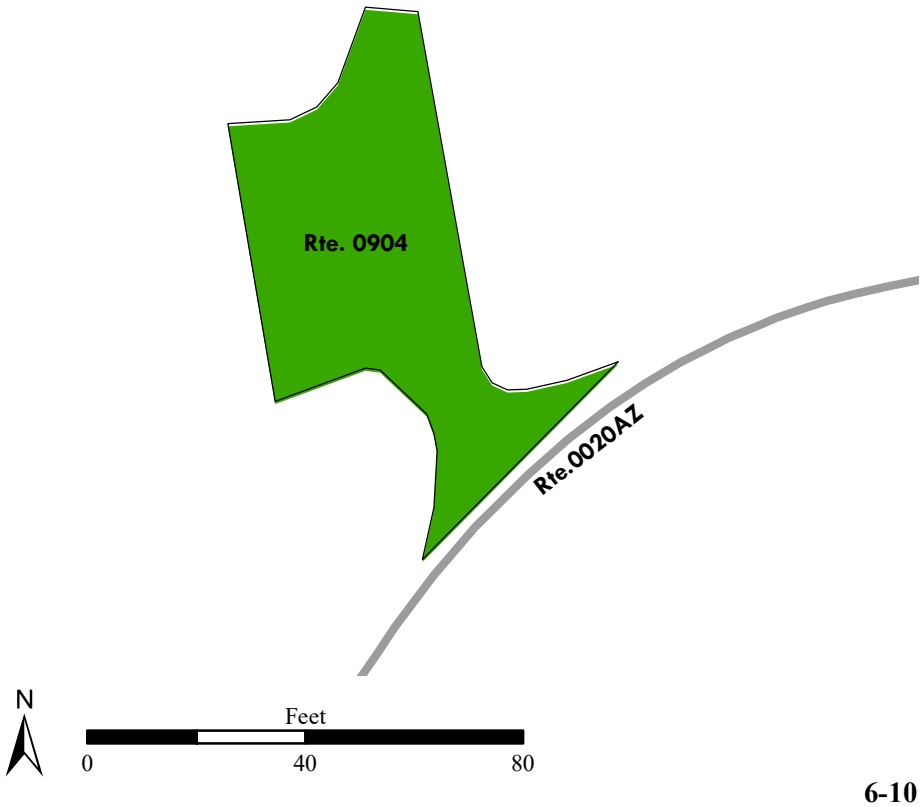
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
3/22/2022	33496	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,542	0.044	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



Virgin Islands National Park

ROUTE 0905: TRUNK BAY PARKING

Manual Rating

FROM ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)

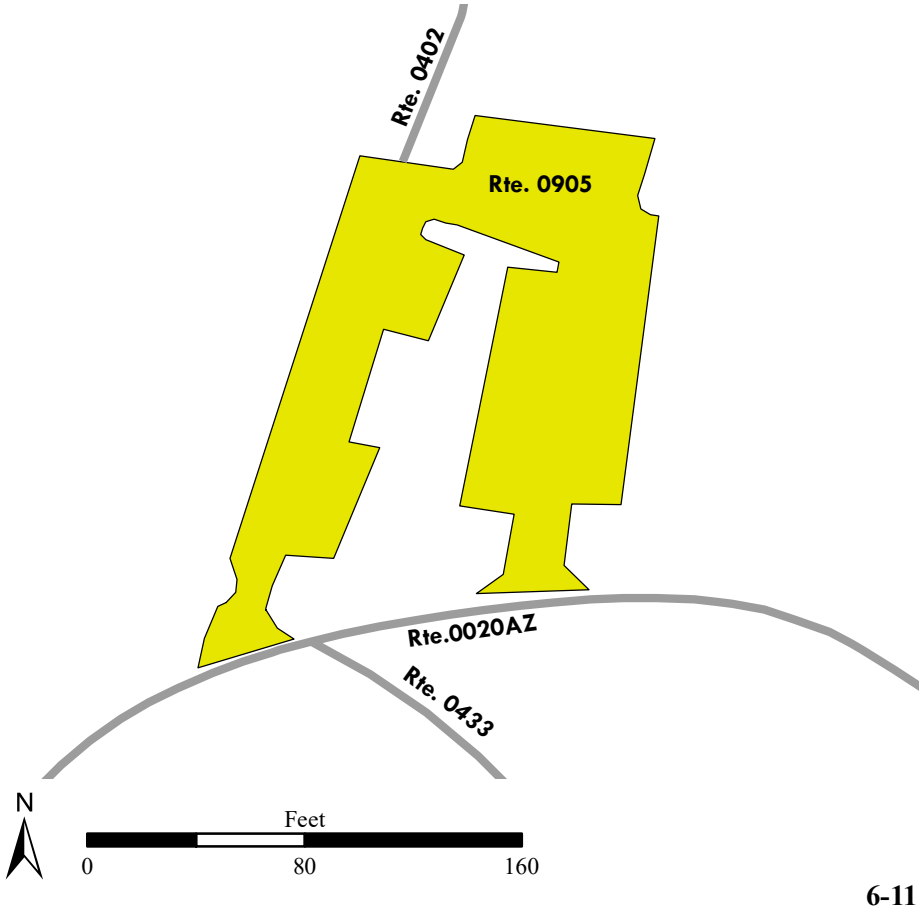
TO ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
3/23/2022	33354	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
14,562	0.251	8	LIGHT REPAIR
Curb Type		**Curb & Gutter Type**	
STONE		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



Virgin Islands National Park

ROUTE 0906: CINNAMON BAY PARKING

Manual Rating

FROM ROUTE 0202 (CINNAMON BAY ROAD)

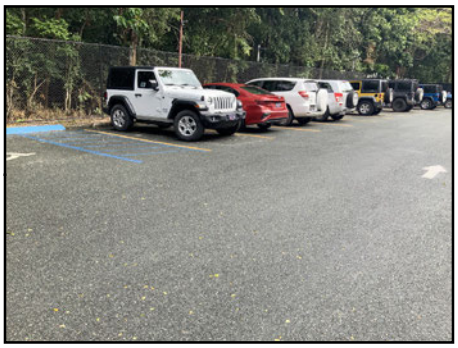
TO ROUTE 0936 (CINNAMON BAY GRAVEL PARKING)

Inspection Date	FMSS Number	User Access	Surface Type
3/23/2022	33529	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
15,626	0.269	3	MODERATE REPAIR
Curb Type		**Curb & Gutter Type**	
STONE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

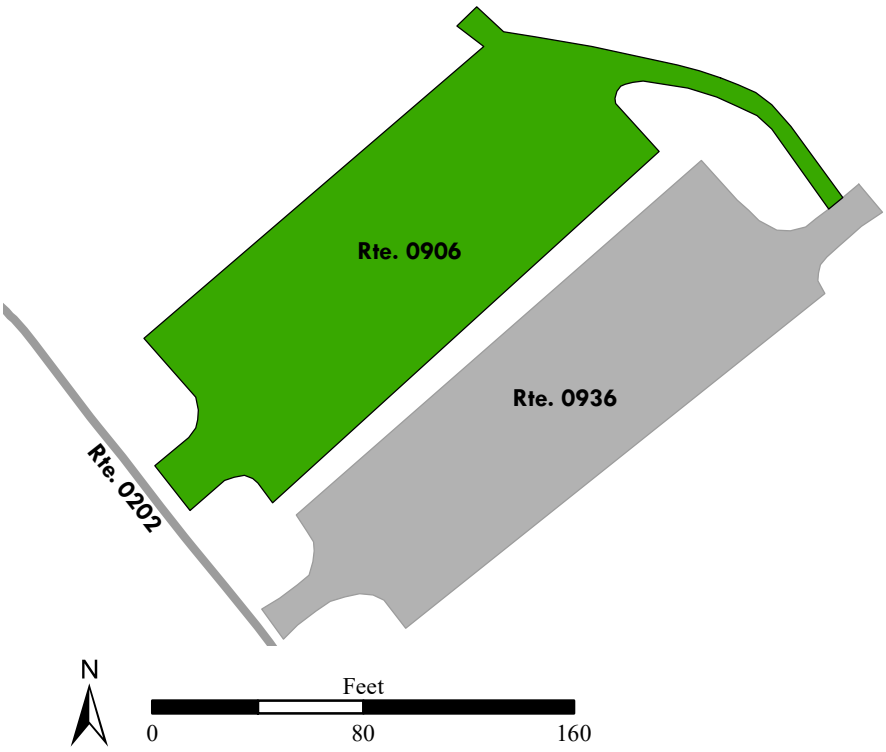
Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas



Note: Parking area consists of multiple surface types: 1 part Asphalt at 15,504 square feet; 1 part Concrete at 122 square feet.



Virgin Islands National Park

ROUTE 0907: MAHO BAY PARKING

Manual Rating

ADJACENT TO ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)

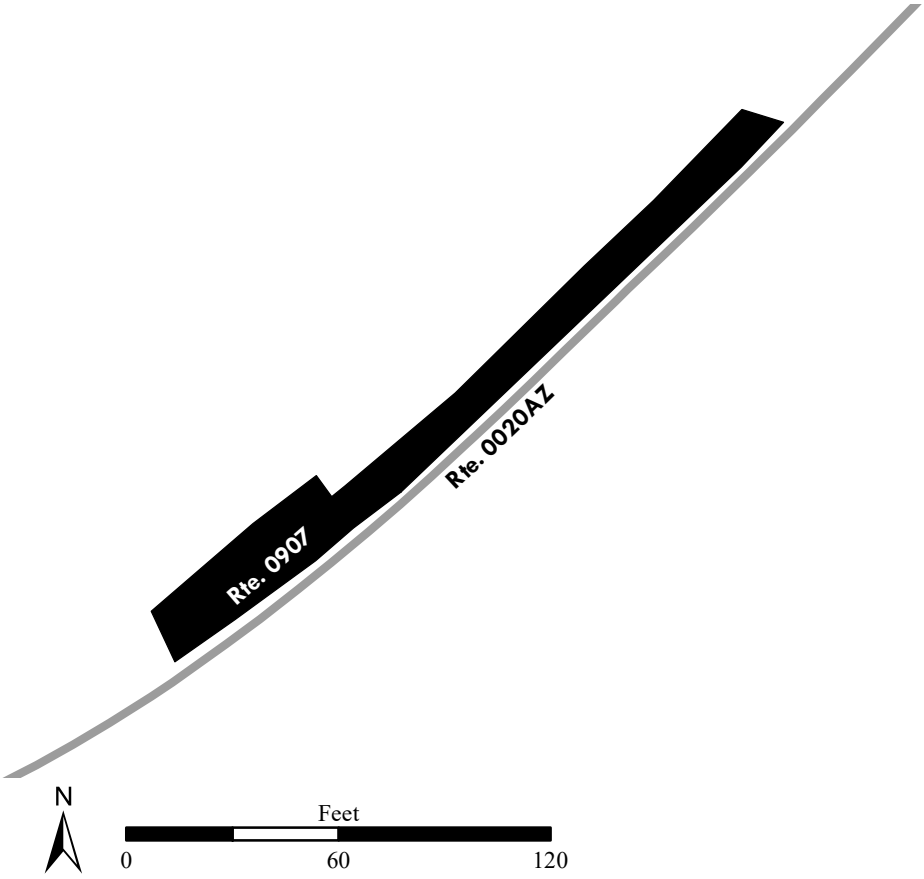
Inspection Date	FMSS Number	User Access	Surface Type
3/22/2022	33644	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,663	0.046	8	DO NOTHING
Curb Type		**Curb & Gutter Type**	
STONE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
NOT APPLICABLE		NOT RATED / -1	

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 was covered with sand. Parking area consists of multiple surface types: 1 part Asphalt at 1,622 square feet; 1 part Concrete at 1,041 square feet.



Virgin Islands National Park

ROUTE 0910: CRUZ BAY VISITOR CENTER 15 MINUTE PARKING

Manual Rating

FROM STATE HIGHWAY 20

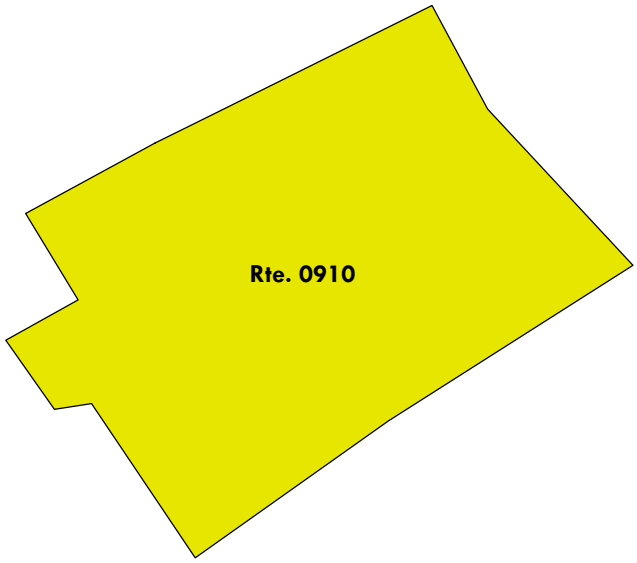
TO PARKING

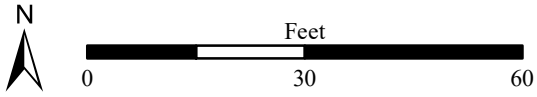
Inspection Date	FMSS Number	User Access	Surface Type
3/22/2022	35877	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
3,206	0.055	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**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





Virgin Islands National Park

ROUTE 0911ZZ: JUMBIE BEACH PARKING

Summary Route
Manual Rating

ADJACENT TO ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD) ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
3/23/2022	33349	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
1,907	0.033	SUMMARY / 53	

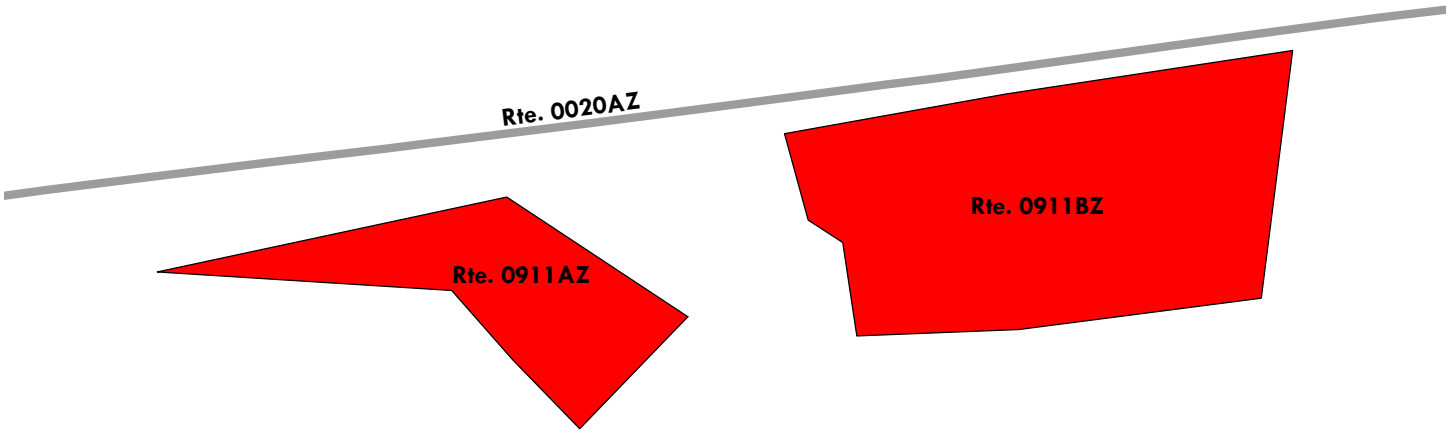
Route Condition Legend – Pavement Condition Rating (PCR)

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. 0911ZZ
(2 Subcomponents))



Virgin Islands National Park

ROUTE 0911AZ: JUMBIE BEACH A PARKING

Subcomponent of Route VIIS-0911ZZ
Manual Rating

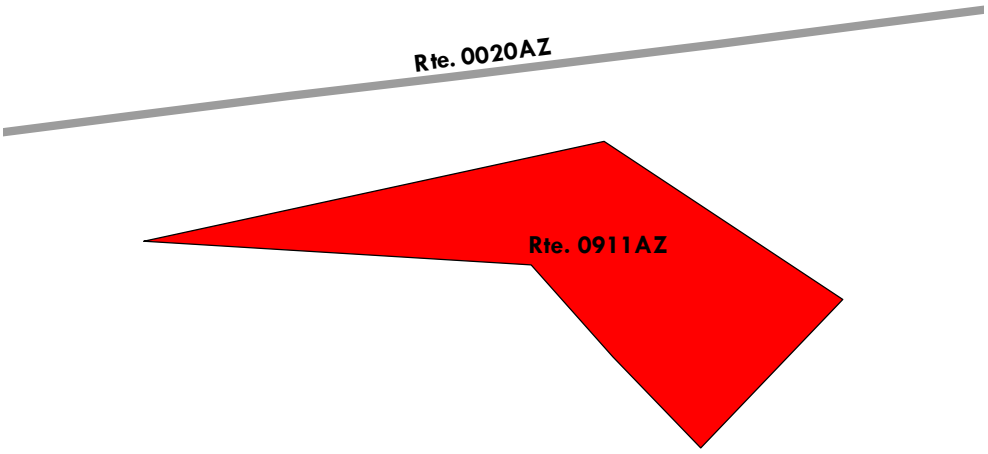
ADJACENT TO ROUTE 0020AZ (STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION A) ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
3/23/2022	33349	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
532	0.009	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 0	

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



Virgin Islands National Park

ROUTE 0911BZ: JUMBIE BEACH B PARKING

Subcomponent of Route VIIS-0911ZZ

Manual Rating

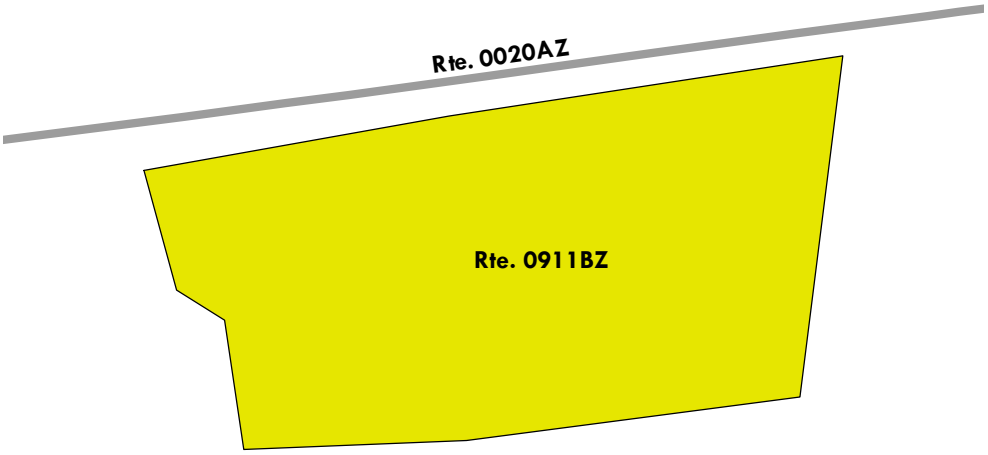
ADJACENT TO ROUTE 0020AZ (STATE HIGHWAY 20 / NORTH SHORE ROAD/ SECTION A) ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
3/23/2022	33349	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,375	0.024	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



Virgin Islands National Park

ROUTE 0912: ANNABERG SUGAR MILL PARKING

Manual Rating

FROM ROUTE 0011 (ANNABERG ROAD)

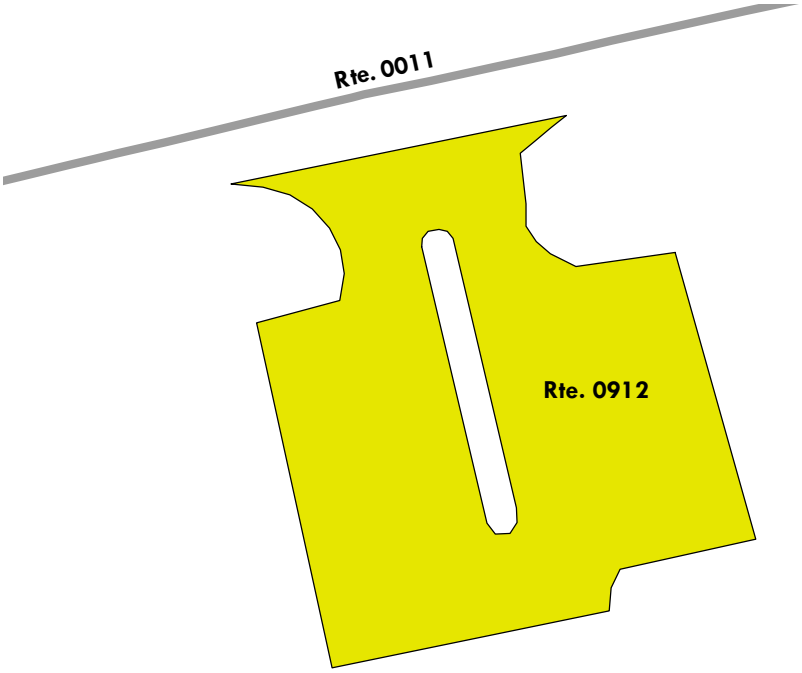
TO PARKING

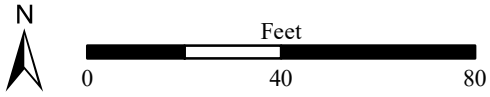
Inspection Date	FMSS Number	User Access	Surface Type
3/23/2022	34422	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
6,736	0.116	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
STONE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / 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





Virgin Islands National Park

ROUTE 0913ZZ: FRANCIS BAY TRAIL PARKING

Summary Route
Manual Rating

ADJACENT TO ROUTE 0012 (MARY CREEK ROAD) ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
3/23/2022	34410	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
1,985	0.034	SUMMARY / 62	

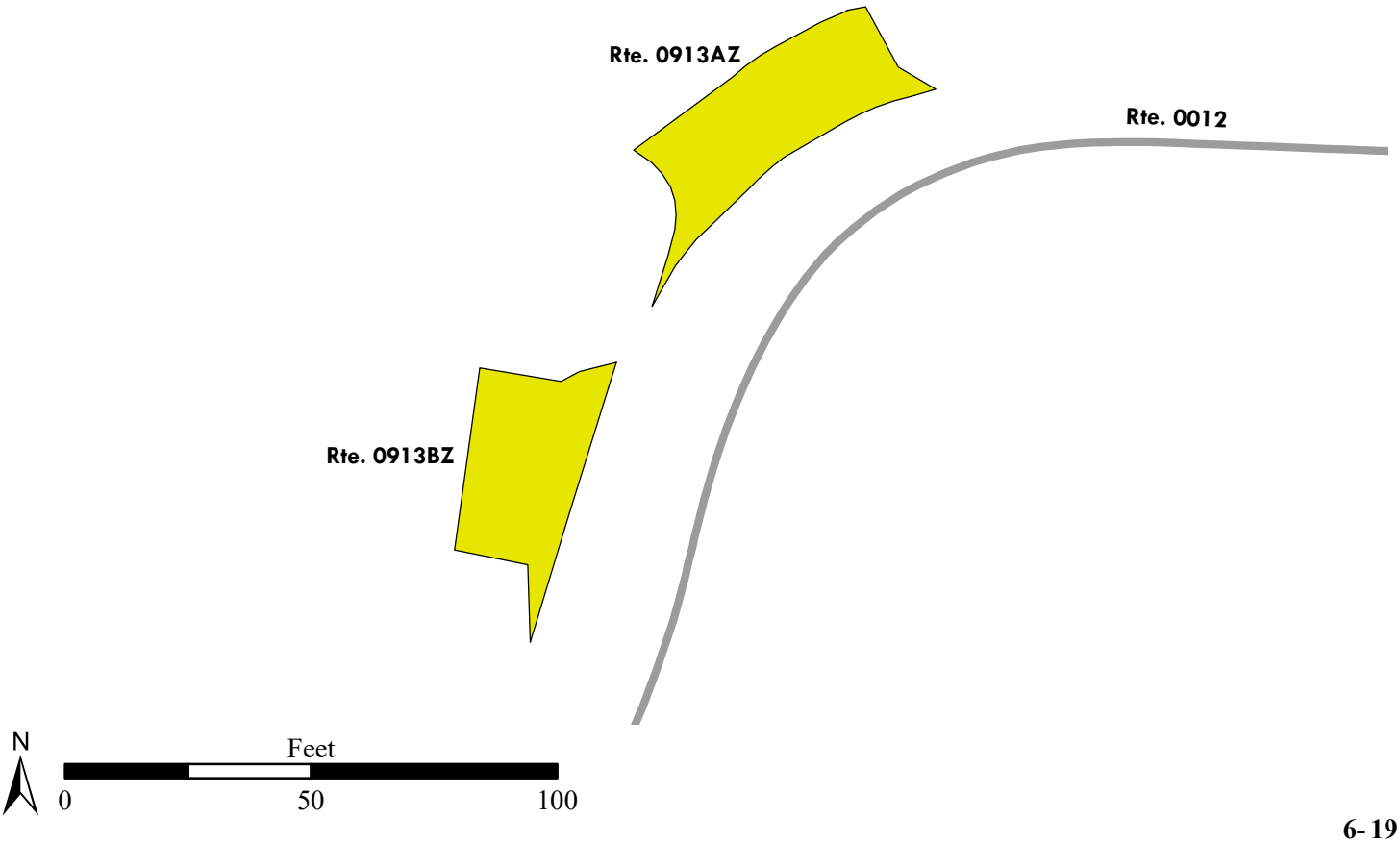
Route Condition Legend – Pavement Condition Rating (PCR)

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. 0913ZZ
((2 Subcomponents))



Virgin Islands National Park

ROUTE 0913AZ: FRANCIS BAY TRAIL A PARKING

Subcomponent of Route VIIS-0913ZZ

Manual Rating

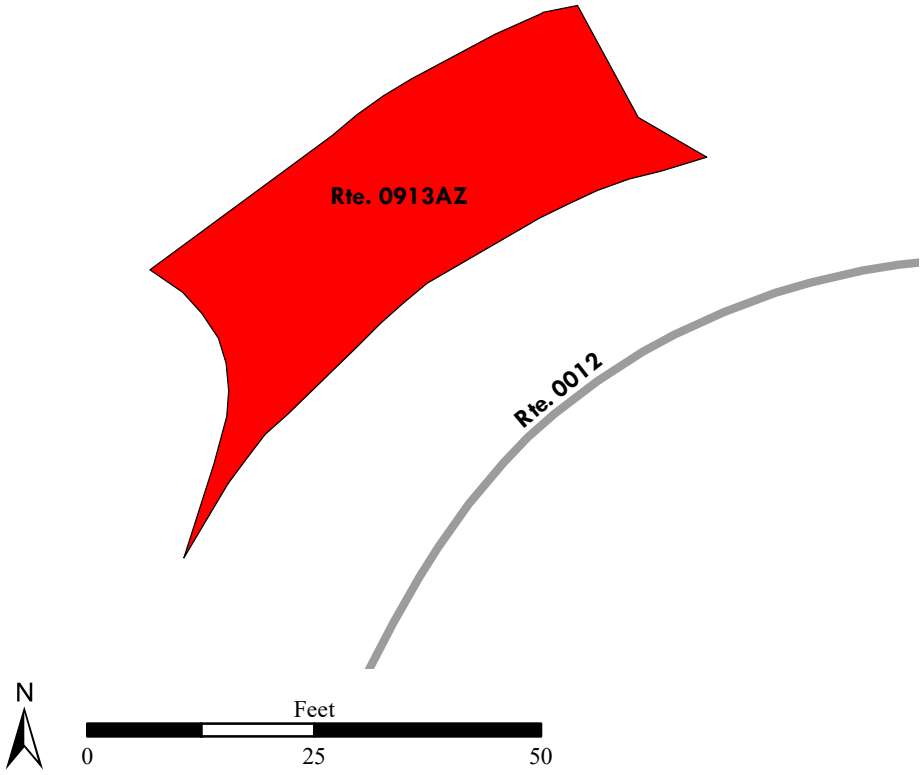
ADJACENT TO ROUTE 0012 (MARY CREEK ROAD) ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
3/23/2022	34410	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,088	0.019	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
STONE		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



Virgin Islands National Park

ROUTE 0913BZ: FRANCIS BAY TRAIL B PARKING

Subcomponent of Route VIIS-0913ZZ
Manual Rating

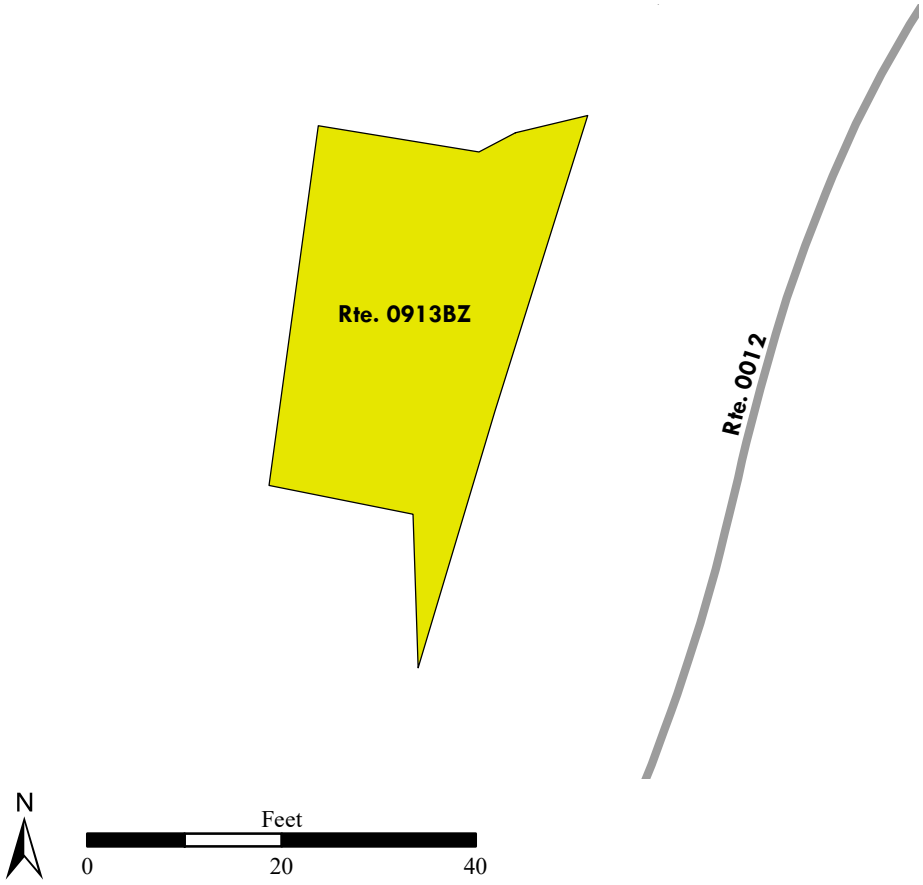
ADJACENT TO ROUTE 0012 (MARY CREEK ROAD) ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
3/23/2022	34410	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
897	0.015	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
STONE		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



Virgin Islands National Park

ROUTE 0914ZZ: RED HOOK PARKING

Summary Route
Manual Rating

FROM ROUTE 0014ZZ (RED HOOK RECREATIONAL FACILITY ROADS)

TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
3/21/2022	35907	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
17,550	0.303	SUMMARY / 34	

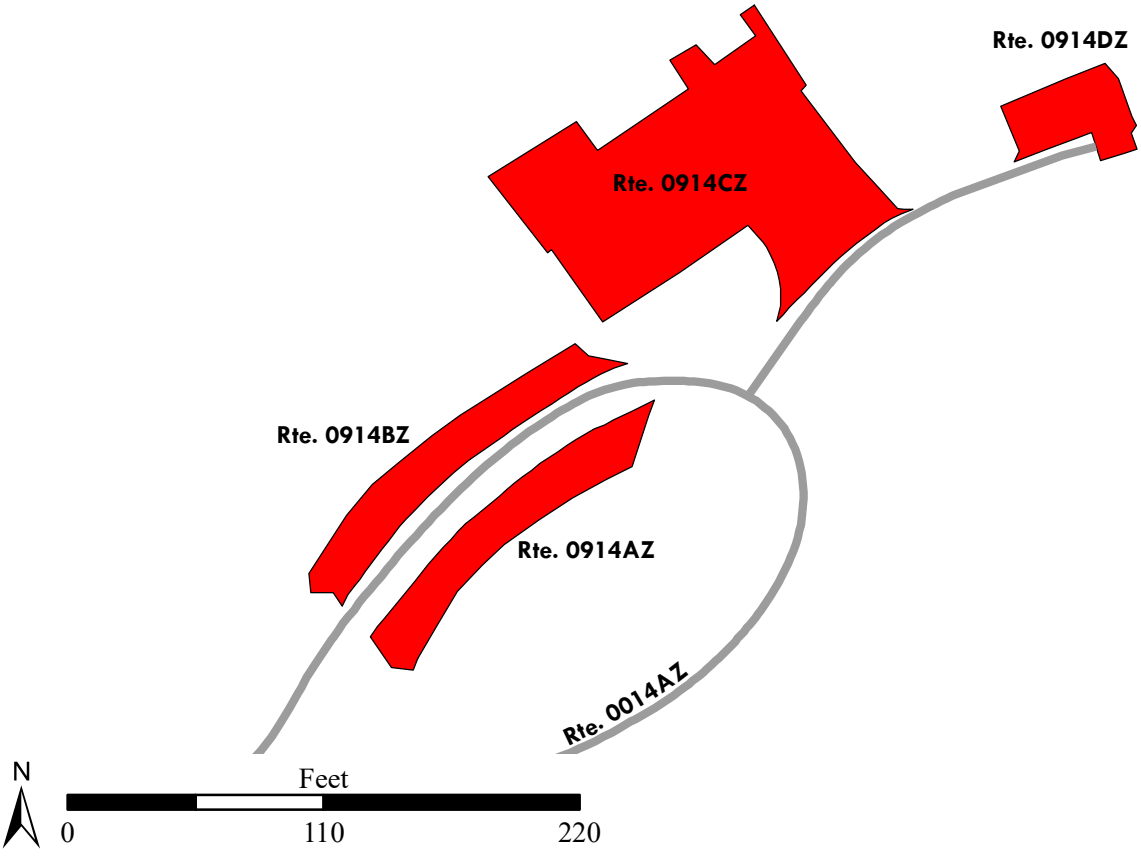
Route Condition Legend – Pavement Condition Rating (PCR)

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. 0914ZZ
(4 Subcomponents)s)



Virgin Islands National Park

ROUTE 0914AZ: RED HOOK A PARKING

Subcomponent of Route VIIS-0914ZZ
Manual Rating

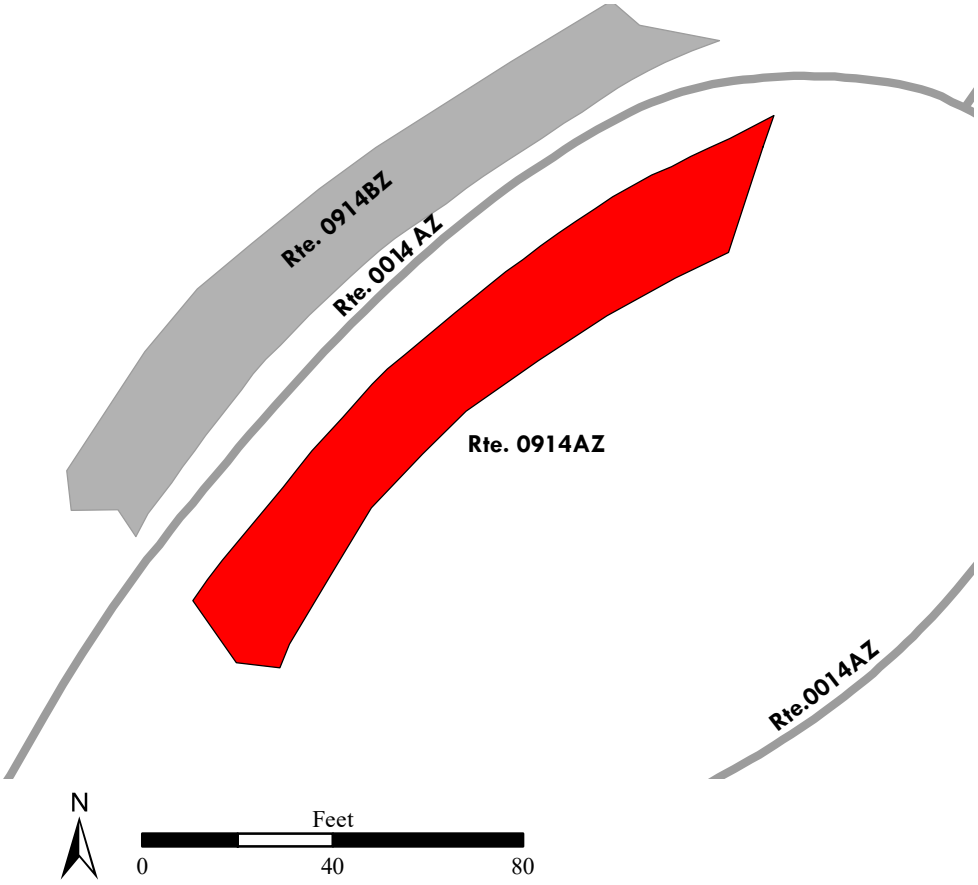
ADJACENT TO ROUTE 0014AZ (RED HOOK RECREATIONAL FACILITY ROAD A) ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
3/21/2022	35907	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,751	0.047	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 30	

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



Virgin Islands National Park

ROUTE 0914BZ: RED HOOK B PARKING

Subcomponent of Route VIIS-0914ZZ

Manual Rating

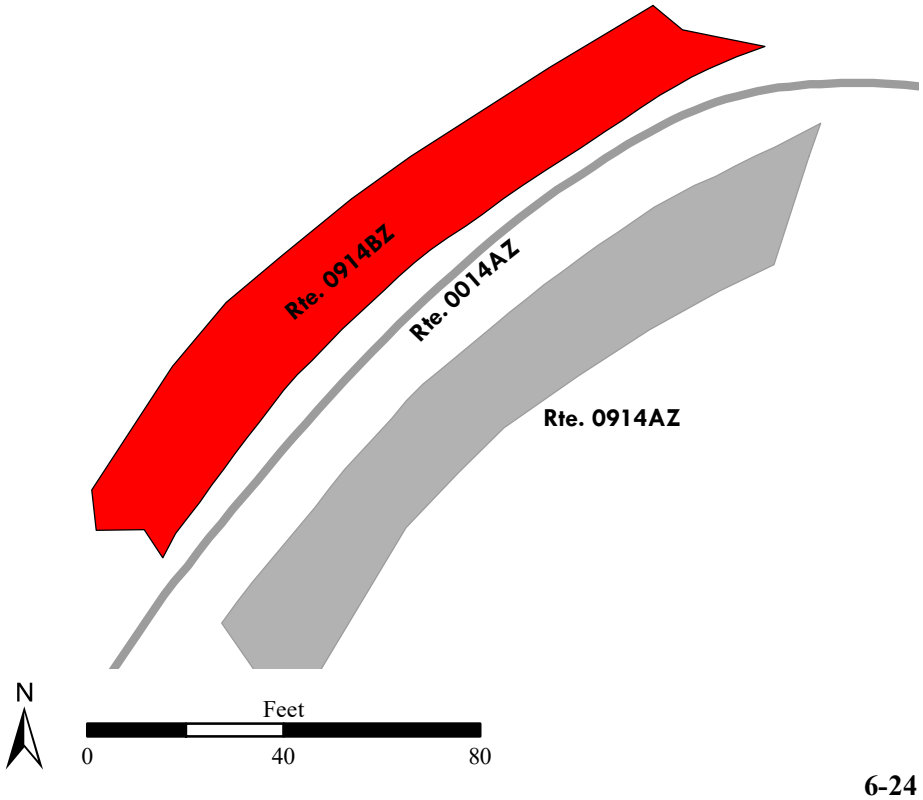
ADJACENT TO ROUTE 0014AZ (RED HOOK RECREATIONAL FACILITY ROAD A) ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
3/21/2022	35907	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,764	0.048	5	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



Virgin Islands National Park

ROUTE 0914CZ: RED HOOK C PARKING

Subcomponent of Route VIIS-0914ZZ

Manual Rating

FROM ROUTE 0014BZ (RED HOOK RECREATIONAL FACILITY ROAD B) ON LEFT

TO PARKING

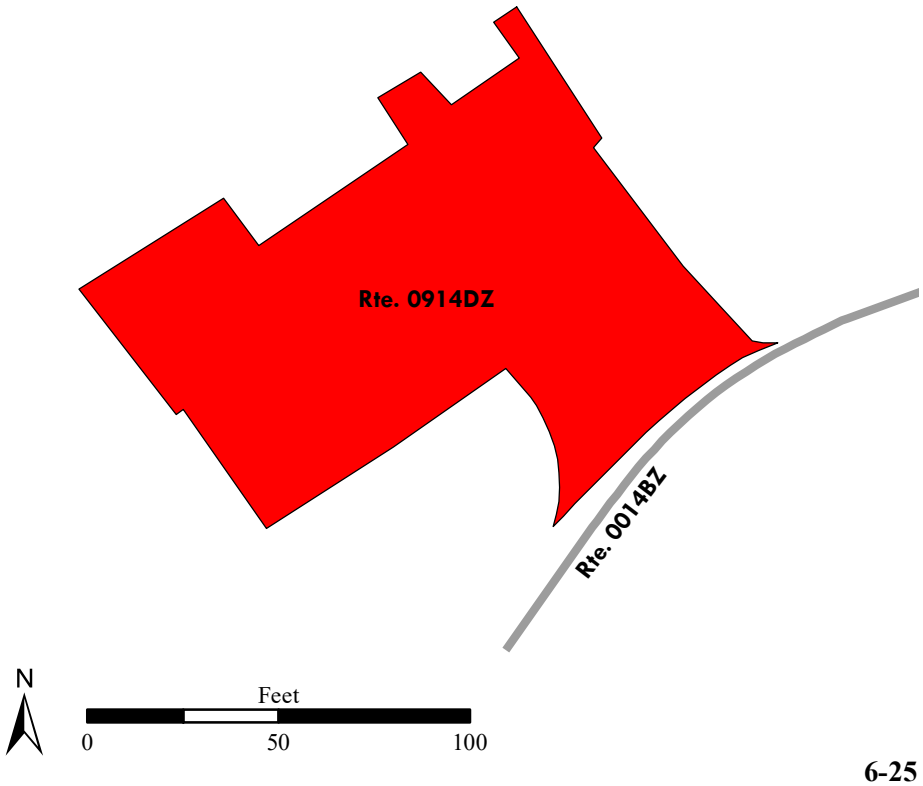
Inspection Date	FMSS Number	User Access	Surface Type
3/21/2022	35907	PUBLIC	CONCRETE
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
10,611	0.183	2	LIGHT REPAIR
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 30	

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 covered with sand. Parking area consists of multiple surface types: 1 part Asphalt at 1,530 square feet; 1 part Concrete at 9,081 square feet.



Virgin Islands National Park

ROUTE 0914DZ: RED HOOK D PARKING

Subcomponent of Route VIIS-0914ZZ

Manual Rating

FROM END OF ROUTE 0014BZ (RED HOOK RECREATIONAL FACILITY ROAD B)

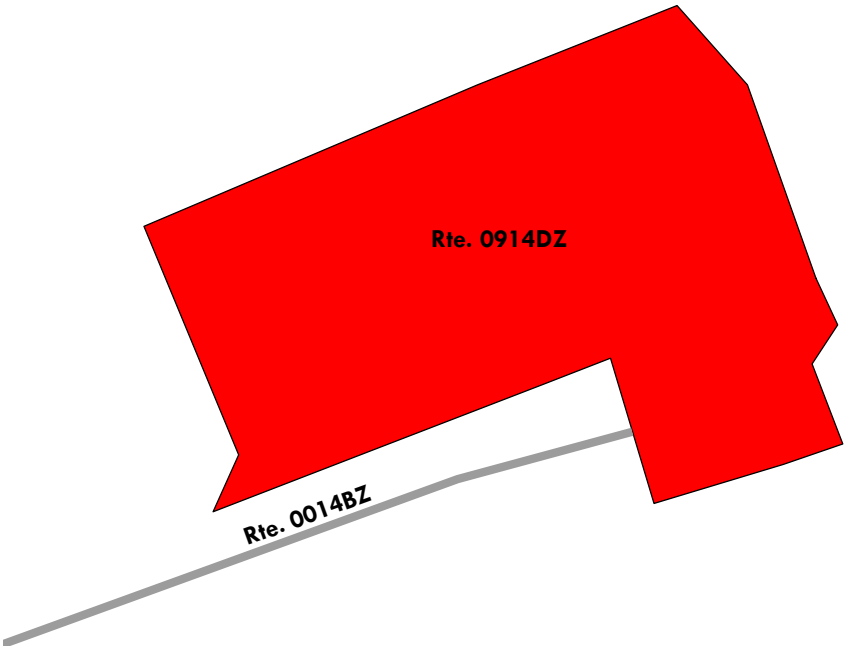
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
3/21/2022	35907	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,424	0.025	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 30	

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



Virgin Islands National Park

ROUTE 0925: MAHO BAY OVERLOOK

Manual Rating

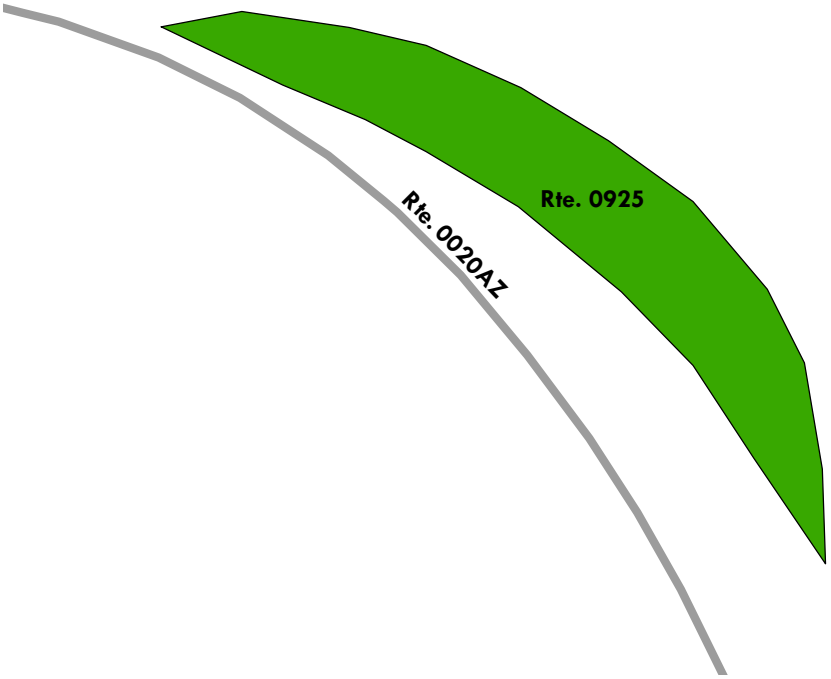
ADJACENT TO ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)

Inspection Date	FMSS Number	User Access	Surface Type
3/22/2022	N/A	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,211	0.021	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



Virgin Islands National Park

ROUTE 0927: CANEEL BAY OVERLOOK PARKING

Manual Rating

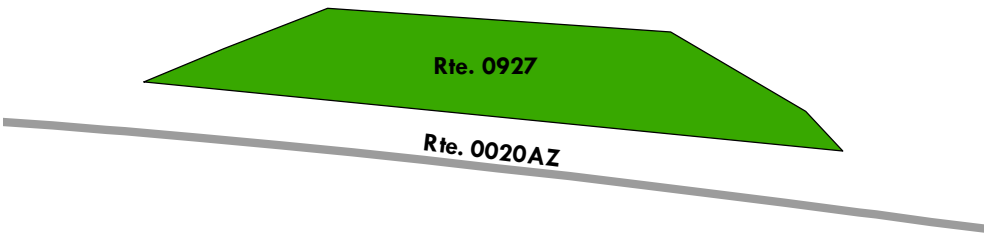
ADJACENT TO ROUTE 0020ZZ (STATE HIGHWAY 20 / NORTH SHORE ROAD)

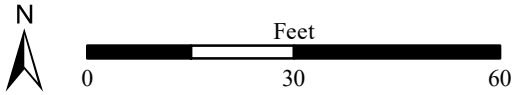
Inspection Date	FMSS Number	User Access	Surface Type
3/22/2022	N/A	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,033	0.018	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**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





Virgin Islands National Park

ROUTE 0934: CENTERLINE OVERLOOK

Manual Rating

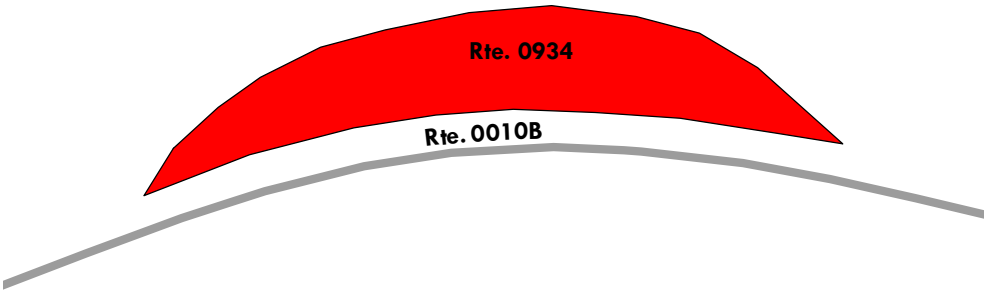
ADJACENT TO ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD))

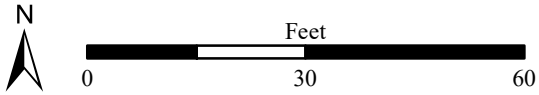
Inspection Date	FMSS Number	User Access	Surface Type
3/22/2022	N/A	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
967	0.017	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**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





Virgin Islands National Park

ROUTE 0946: CRUZ BAY BOAT PARKING

Manual Rating

FROM END OF ROUTE 0200 (CRUZ BAY SEA PLANE RAMP ROAD)

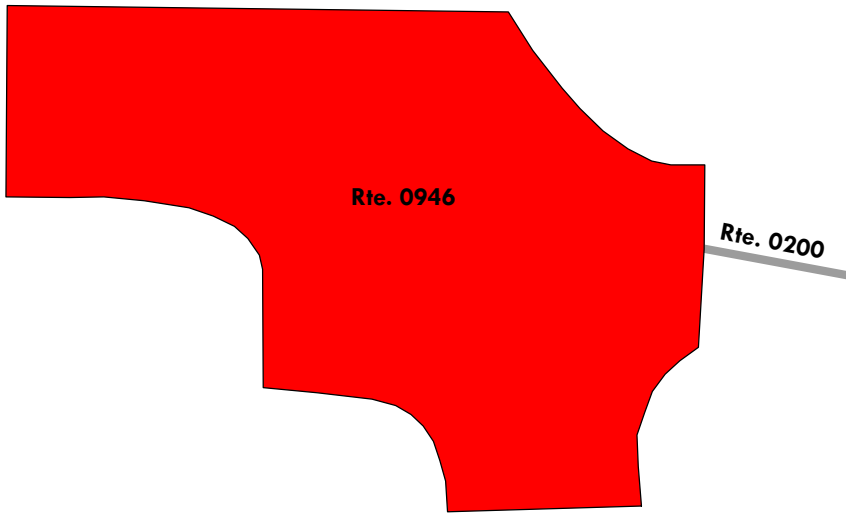
TO PARKING

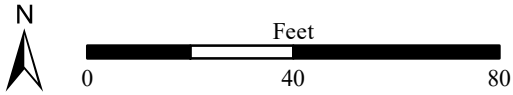
Inspection Date	FMSS Number	User Access	Surface Type
3/22/2022	N/A	PUBLIC	CONCRETE
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
7,913	0.136	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 30	

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





Virgin Islands National Park

ROUTE 0963: CENTER LINE PARKING

Manual Rating

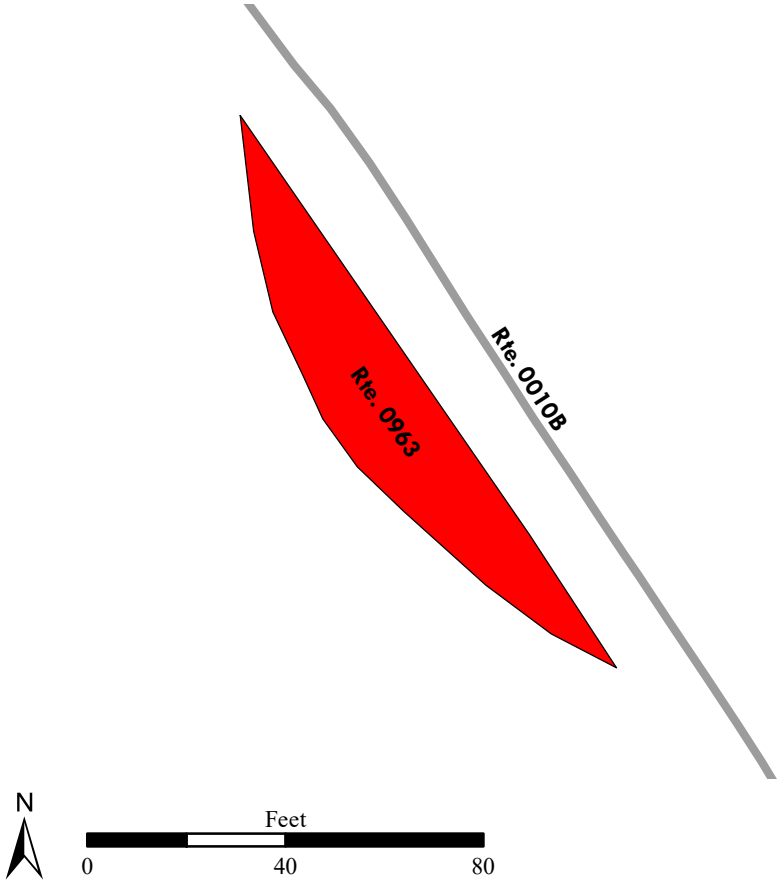
ADJACENT TO ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD))

Inspection Date	FMSS Number	User Access	Surface Type
3/22/2022	N/A	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,733	0.03	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 30	

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



Virgin Islands National Park

ROUTE 0965: GREAT SEIBAN TRAIL PARKING

Manual Rating

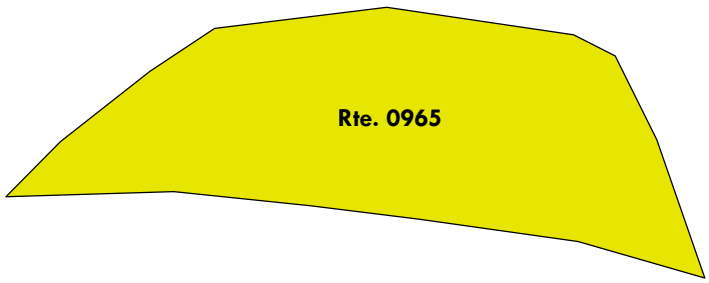
ADJACENT TO SKYTOP ROAD

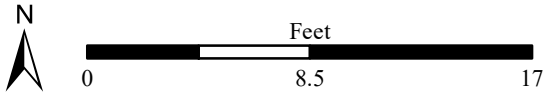
Inspection Date	FMSS Number	User Access	Surface Type
3/21/2022	N/A	PUBLIC	CONCRETE
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
149	0.003	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / 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





Virgin Islands National Park

ROUTE 0967: MONTAQUE HOUSE DRIVEWAY

Manual Rating

FROM ROUTE 0010B (STATE HIGHWAY 10 (CENTER LINE ROAD))

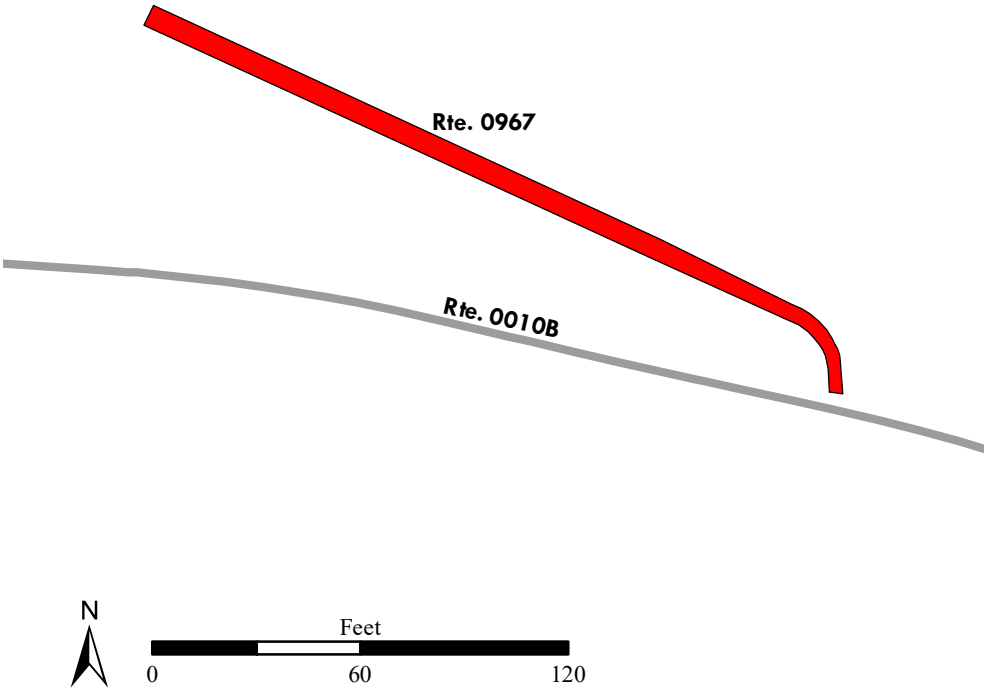
TO RESIDENCE

Inspection Date	FMSS Number	User Access	Surface Type
3/23/2022	35711	NONPUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,285	0.022	5	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NOT APPLICABLE	
Pavement Recommendation		**Condition Rating / PCR**	
RECONSTRUCTION		POOR / 0	

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

Virgin Islands National Park

Federal Lands Highway
Road Inventory Program

VIIS: Road Milepost Information

Milepost information is collected with the Data Collection Vehicle (DCV) when it is used to collect pavement condition data. Because no data collection vehicle routes were collected in Cycle 6, there is no information to include in this section.

Section 8
Appendix

Virgin Islands National Park

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.

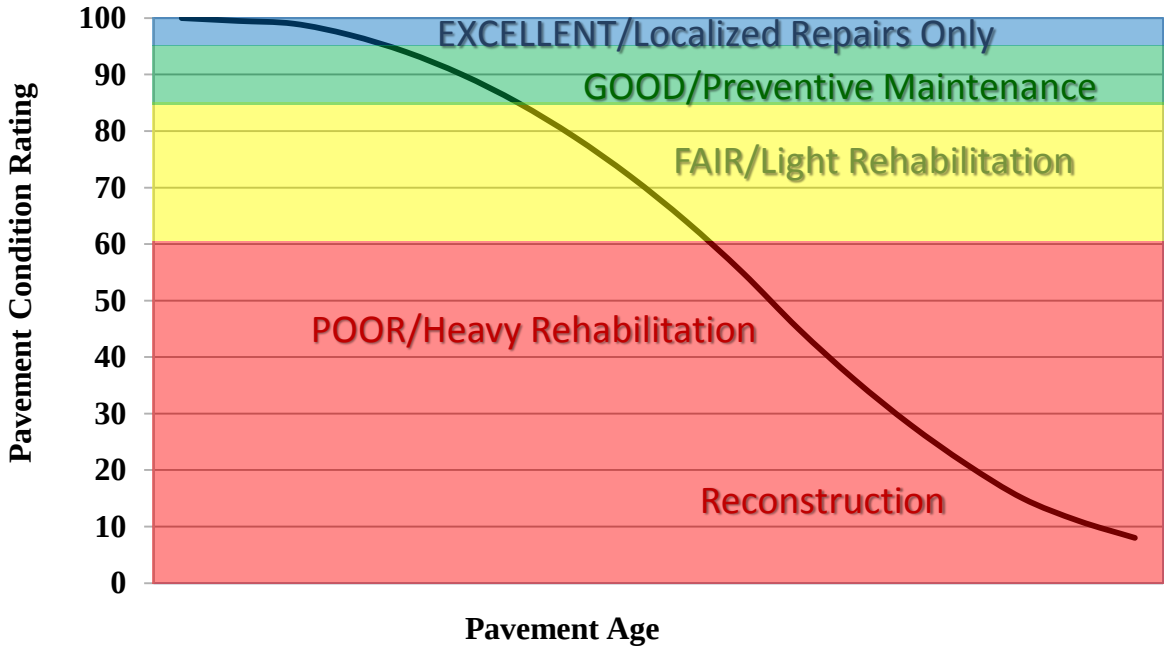
Explanation of the Condition Descriptions

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