GETT
Cycle 6

Final Report

Road Inventory and Condition Assessment of Paved Routes
Gettysburg National Military Park

Federal Lands Highway
Road Inventory Program

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

Report Date: October 2021

Gettysburg National Military Park
in
Pennsylvania

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
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Introduction

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Introduction

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

A History of the Road Inventory Program:

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

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

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

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

Since 1984, the Road Inventory Program has been funded through the Federal Lands Highway Park Roads and Parkways (PRP) Program. Currently, coordination of the RIP with Federal Lands Highway (FLH) is under the NPS Washington Headquarters Park Facility Management Division. The FLH Washington office coordinates policy and prepares national reports and needs assessment studies for Congress.

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

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

A History of the Pavement Management System:

In 2005, the FHWA began implementing the use of a pavement management system to assist the NPS in prioritizing Pavement Maintenance and Rehabilitation activities. The system used by FHWA is the Highway Pavement Management Application (HPMA), which has the ability to store inventory and condition data from RIP and forecast future performance using prediction models. Outputs include performance and condition reports at the National, Regional, Park, or Route level. Regional prioritized lists and optimizations have been produced for most regions, and the Service's overall roadway Deferred Maintenance is calculated via the HPMA.

Overview of Cycle 6:

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

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

Respectfully,

FHWA RIP Team

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Section 2
Park Route Inventory

Gettysburg National Military Park

Federal Lands Highway
Road Inventory Program

Report Date: 10/30/2021

Cycle 6 NPS / RIP Route ID Report

(Numerical By Summary Route and Subcomponent #)

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ROAD INVENTORY (1100 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
0010	6	2	67386		HANCOCK AVENUE	FROM INTERSECTION OF ROUTE 0011 (SEDGWICK AVENUE) AND ROUTE 0014 (UNITED STATES AVENUE)	TO ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))		YES	1.15	0.00	1.15	1		AS	1,2
0011	6	2	69335		SEDGWICK AVENUE	FROM ROUTE 0013 (WHEATFIELD ROAD) AT MP 0.17 ON RIGHT	TO INTERSECTION OF ROUTE 0010 (HANCOCK AVENUE) AND ROUTE 0014 (UNITED STATES AVENUE)		YES	0.53	0.00	0.53	2		AS	2
0012	6	2	69561		SOUTH CONFEDERATE-SYKES AVENUE	FROM INTERSECTION OF ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD)) AND ROUTE 0018 (WEST CONFEDERATE AVENUE)	TO INTERSECTION ROUTE 0013 (WHEATFIELD ROAD) AND ROUTE 0011 (SEDGWICK AVENUE)		YES	1.96	0.00	1.96	1		AS	2
0013	6	2	69318		WHEATFIELD ROAD	FROM ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))	TO INTERSECTION OF ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD)) AND ROUTE 0053 (MILLERSTOWN ROAD)		YES	1.16	0.00	1.16	1		AS	2
0014	6	2	67389		UNITED STATES AVENUE	FROM ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))	TO INTERSECTION OF ROUTE 0010 (HANCOCK AVENUE) AND ROUTE 0011 (SEDGWICK AVENUE)		YES	0.79	0.00	0.79	1		AS	2
0015	6	2	67384		NORTH SICKLES AVENUE	FROM ROUTE 0013 (WHEATFIELD ROAD) AT MP 1.00 ON RIGHT	TO ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))		YES	0.56	0.00	0.56	1		AS	1,2
0016	6	2	69332		WARREN AVENUE	FROM INTERSECTION OF ROUTE 0017 (CRAWFORD AVENUE) AND ROUTE 0042 (SOUTH SICKLES AVENUE)	TO INTERSECTION OF ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) AND ROUTE 0019 (WRIGHT AVENUE)		YES	0.30	0.00	0.30	2		AS	2

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0017	6	2	69334		CRAWFORD AVENUE	FROM ROUTE 0013 (WHEATFIELD ROAD) AT MP 0.43 ON LEFT	TO INTERSECTION OF ROUTE 0016 (WARREN AVENUE) AND ROUTE 0042 (SOUTH SICKLES AVENUE)		YES	0.35	0.00	0.35	2		AS	2
0018	6	2	67378		WEST CONFEDERATE AVENUE	FROM INTERSECTION OF ROUTE 0040 (SEMINARY RIDGE AVENUE) AND STATE HIGHWAY 116 (FAIRFIELD ROAD)	TO INTERSECTION OF ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD)) AND ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE)		YES	2.83	0.00	2.83	1		AS	1,2
0019	6	2	69369		WRIGHT AVENUE	FROM INTERSECTION OF ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) AND ROUTE 0016 (WARREN AVENUE)	TO ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD)) AND ROUTE 0054 (HOWE AVENUE)		YES	0.56	0.00	0.56	2		AS	2
0020	6	2	69440		BERDAN AVENUE	FROM ROUTE 0018 (WEST CONFEDERATE AVENUE) AT MP 1.72 ON RIGHT	TO END OF LOOP		YES	0.12	0.00	0.12	2		AS	1
0021	6	2	67395		PLEASONTON AVENUE	FROM ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))	TO ROUTE 0010 (HANCOCK AVENUE) AT MP 0.45		YES	0.31	0.00	0.31	1		AS	1
0022	6	2	67391		HUMPHREYS AVENUE	FROM ROUTE 0021 (PLEASONTON AVENUE) AT MP 0.23 ON LEFT	TO ROUTE 0010 (HANCOCK AVENUE) AT MP 0.31 ON RIGHT		YES	0.10	0.00	0.10	2		AS	1
0023	6	2	66114		REYNOLDS AVENUE	FROM STATE HIGHWAY 116 (FAIRFIELD ROAD)	TO INTERSECTION OF ROUTE 0025 (BUFORD AVENUE) AND ROUTE 0027 (WADSWORTH AVENUE)		YES	0.99	0.00	0.99	1		AS	1
0024	6	2	66129		STONE-MEREDITH AVENUE	FROM ROUTE 5001 (U.S. HIGHWAY 30 (CHAMBERSBURG ROAD AND LINCOLN HIGHWAY))	TO ROUTE 0023 (REYNOLDS AVENUE) AT MP 0.47		YES	0.51	0.00	0.51	2		AS	1

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0025	6	2	65274		BUFORD AVENUE	FROM INTERSECTION OF ROUTE 0023 (REYNOLDS AVENUE) AND ROUTE 0027 (WADSWORTH AVENUE)	TO INTERSECTION OF ROUTE 0026 (NORTH CONFEDERATE AVENUE) AND ROUTE 5005 (MUMMASBURG ROAD)		YES	0.64	0.00	0.64	1		AS	1
0026	6	2	63409		NORTH CONFEDERATE AVENUE	FROM INTERSECTION OF ROUTE 0025 (BUFORD AVENUE) AND ROUTE 5005 (MUMMASBURG ROAD)	TO INTERSECTION OF ROUTE 0055 (DOUBLEDAY AVENUE) AND ROUTE 5005 (MUMMASBURG ROAD)		YES	0.36	0.00	0.36	1		AS	1
0027	6	2	66063		WADSWORTH AVENUE	FROM ROUTE 0055 (DOUBLEDAY AVENUE)	TO INTERSECTION OF ROUTE 0023 (REYNOLDS AVENUE) AND ROUTE 0025 (BUFORD AVENUE)		YES	0.16	0.00	0.16	1		AS	1
0028	6	2	65288		HOWARD AVENUE	FROM ROUTE 5005 (MUMMASBURG ROAD)	TO ROUTE 5002 (BUSINESS ROUTE 15 (OLD HARRISBURG ROAD))		YES	0.96	0.00	0.96	1		AS	1
0029	6	2	68569		EAST CONFEDERATE AVENUE	FROM EAST MIDDLE AND LIBERTY STREET	TO ROUTE 0030 (SLOCUM AVENUE) AT MP 0.08		YES	1.38	0.00	1.38	2		AS	1
0030	6	2	68571		SLOCUM AVENUE	FROM ROUTE 0034 (COLGROVE-CARMAN AVENUE) AT MP 0.46 ON RIGHT	TO ROUTE 5003 (BALTIMORE PIKE)		YES	1.04	0.00	1.04	1		AS	1
0032	6	2	68572		WILLIAMS AVENUE	FROM ROUTE 0030 (SLOCUM AVENUE) AT MP 0.42 ON LEFT	TO ROUTE 0030 (SLOCUM AVENUE) AT MP 0.80 ON LEFT		YES	0.31	0.00	0.31	2		AS	1
0033	6	2	68735		GEARY AVENUE	FROM ROUTE 0030 (SLOCUM AVENUE) AT MP 0.13 ON LEFT	TO ROUTE 0030 (SLOCUM AVENUE) AT MP 0.39 ON LEFT		YES	0.38	0.00	0.38	2		AS	1
0034	6	2	68743		COLGROVE-CARMAN AVENUE	FROM ROUTE 5003 (BALTIMORE PIKE)	TO END OF LOOP		YES	0.55	0.00	0.55	1		AS	1

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0035	6	2	67398		HUNT AVENUE	FROM ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))	TO ROUTE 5003 (BALTIMORE PIKE)		YES	0.54	0.00	0.54	1		AS	1
0036	6	2	68791		GRANITE SCHOOL HOUSE LANE	FROM ROUTE 5003 (BALTIMORE PIKE)	TO ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))		YES	0.83	0.00	0.83	2		AS	1,2
0037ZZ	6	2	69443		NATIONAL CEMETERY DRIVE	FROM ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))	TO ROUTE 5003 (BALTIMORE PIKE)		YES	0.70	0.00	0.70	3		AS	1
0038	6	2	68740		BENNER HILL AVENUE	FROM STATE HIGHWAY 116 (FAIRFIELD ROAD)	TO END OF LOOP		YES	0.25	0.00	0.25	2		AS	1
0039	6	2	65277		ROBINSON AVENUE	FROM ROUTE 0055 (DOUBLEDAY AVENUE) AT MP 0.08 ON LEFT	TO ROUTE 5005 (MUMMASBURG ROAD)		YES	0.16	0.00	0.16	1		AS	1
0040	6	2	69553		SEMINARY RIDGE AVENUE	FROM INTERSECTION OF STATE HIGHWAY 116 (FAIRFIELD ROAD) AND ROUTE 0018 (WEST CONFEDERATE AVENUE)	TO ROUTE 5001 (U.S. HIGHWAY 30 (CHAMBERSBURG ROAD AND LINCOLN HIGHWAY))		YES	0.34	0.00	0.34	1		AS	1
0041	6	2	69555		WAINWRIGHT AVENUE	FROM ROUTE 0030 (SLOCUM AVENUE) AT MP 0.95 ON RIGHT	TO LEFEVER STREET		YES	0.43	0.00	0.43	2		AS	1
0042	6	2	69320		SOUTH SICKLES AVENUE	FROM INTERSECTION OF ROUTE 0016 (WARREN AVENUE) AND ROUTE 0017 (CRAWFORD AVENUE)	TO ROUTE 0013 (WHEATFIELD ROAD) AT MP 0.82		YES	0.96	0.00	0.96	1		AS	2
0043	6	2	69326		CROSS-BROOKE-DETROBRIAND AVENUE	FROM INTERSECTION OF ROUTE 0042 (SOUTH SICKLES AVENUE) AND ROUTE 0044 (AYERS AVENUE)	TO ROUTE 0042 (SOUTH SICKLES AVENUE) AT MP 0.61 ON LEFT		YES	0.80	0.00	0.80	2		AS	2

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0044	6	2	69329		AYERS AVENUE	FROM ROUTE 0013 (WHEATFIELD ROAD) AT MP 0.54 ON LEFT	TO INTERSECTION OF ROUTE 0042 (SOUTH SICKLES AVENUE) AND ROUTE 0043 (CROSS-BROOKE-DETROBRIAND AVENUE)		YES	0.30	0.00	0.30	1		AS	2
0052	6	2	68568		CULPS HILL TOWER ROAD	FROM ROUTE 0030 (SLOCUM AVENUE) AT MP 0.70 ON RIGHT	TO END OF LOOP		YES	0.15	0.00	0.15	1		AS	1
0053	6	2	69554		MILLERSTOWN ROAD	FROM INTERSECTION OF ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD)) AND ROUTE 0013 (WHEATFIELD ROAD)	TO WEST PARK BOUNDARY AT PAVEMENT CHANGE AND BEGINNING OF EISE ROUTE 5100 (U.S. HIGHWAY 30 (CHAMBERSBURG ROAD AND LINCOLN HIGHWAY))		YES	0.37	0.00	0.37	1		AS	2
0054	6	2	69367		HOWE AVENUE	FROM INTERSECTION OF ROUTE 0019 (WRIGHT AVENUE) AND ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))	TO END		YES	0.17	0.00	0.17	2		AS	2
0055	6	2	65272		DOUBLEDAY AVENUE	FROM INTERSECTION OF ROUTE 5005 (MUMMASBURG ROAD) AND ROUTE 0026 (NORTH CONFEDERATE AVENUE)	TO ROUTE 0027 (WADSWORTH AVENUE) AT PAVEMENT CHANGE		YES	0.40	0.00	0.40	1		AS	1
0056	6	2	115823		VISITOR CENTER DRIVE	FROM ROUTE 5003 (BALTIMORE PIKE)	TO ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))		YES	0.84	0.00	0.84	1		AS	1,2
0057ZZ	6	2	115826		VISITOR CENTER BUS LOOPS	FROM ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.08 ON RIGHT	THROUGH VISITOR CENTER BUS LOOPS		YES	0.45	0.00	0.45	1		AS	1
0100	6	2	115827		JONES BATTALION AVENUE	FROM ROUTE 5002 (BUSINESS ROUTE 15 (OLD HARRISBURG ROAD))	TO END OF LOOP		YES	0.33	0.00	0.33	2		AS	1

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0200	6	2	69379		UNITED STATES CAVALRY AVENUE	FROM STATE HIGHWAY 116 (HANOVER ROAD)	TO LOW DUTCH ROAD		YES	0.57	0.00	0.57	2		AS	3
0201	6	2	69381		CONFEDERATE CAVALRY-GREGG AVENUE	FROM LOW DUTCH ROAD	TO PARK BOUNDARY		YES	1.76	0.00	1.76	2		AS	3
0202	6	2	69314		BIRNEY AVENUE	FROM ROUTE 0013 (WHEATFIELD ROAD) AT MP 1.08 ON LEFT	TO ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))		YES	0.16	0.00	0.16	2		AS	2
0203	6	2			NATIONAL CEMETERY ANNEX DRIVE- MAIN LOOP	FROM ROUTE 5003 (BALTIMORE PIKE)	TO END OF LOOP		YES	0.28	0.00	0.28	3		AS	1
0401	6	2	67299		MCMILLAN WOODS LANE	FROM ROUTE 0018 (WEST CONFEDERATE AVENUE) AT MP 0.61 ON RIGHT	TO END OF LOOP		NO	0.00	0.19	0.19	3		GR	1
0402ZZ	6	2	69404		BUSHMAN FARM LANE	FROM ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) AT MP 0.08 ON LEFT	TO END		NO	0.00	0.27	0.27	5		GR	2
0403	6	2	69417		SLYDER LANE	FROM ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))	TO END OF LANE		NO	0.00	0.48	0.48	5		GR	2
0404	6	2	69414		ROSE FARM LANE	FROM ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))	TO END OF LANE		NO	0.00	0.15	0.15	5		GR	2
0407	6	2	69421		WILLS-WINEBRENNER FARM LANE	FROM ROUTE 0025 (BUFORD AVENUE) AT MP 0.18 ON LEFT	TO END OF LANE		NO	0.00	0.26	0.26	5		GR	1
0411	6	2	69402		AMPHITHEATER ROAD	FROM ROUTE 0018 (WEST CONFEDERATE AVENUE) AT MP 1.8	TO ROUTE 0018 (WEST CONFEDERATE AVENUE)		NO	0.00	0.12	0.12	3		GR	1,2
0412	6	2	63398		COBEAN FARM LANE	FROM ROUTE 5004 (PENNSYLVANIA STATE HIGHWAY 34 (BIGLERVILLE ROAD AND CARLISLE ROAD))	TO ROUTE 0412 (COBEAN FARM LANE) AT MP 0.33 ON LEFT		YES	0.40	0.00	0.40	3		AS	1
0413	6	2	63405		MCCLEAN FARM LANE	FROM ROUTE 5005 (MUMMASBURG ROAD)	TO END OF LANE		NO	0.00	0.23	0.23	5		GR	1

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ROAD INVENTORY (1100 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description From	Route Description To	Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
0414	6	2	81991		HENRY SPANGLER FARM LANE	FROM ROUTE 5002 (BUSINESS ROUTE 15 (OLD HARRISBURG ROAD))	TO END OF LANE		NO	0.00	0.26	0.26	5		GR	1
0415	6	2	81992		ALTHOFF FARM LANE	FROM ROUTE 0013 (WHEATFIELD ROAD)	TO END OF LANE		NO	0.00	0.11	0.11	5		GR	2
0416	6	2			KLINGLEL HOUSE LANE	FROM ROUTE 0015 (NORTH SICKLES AVENUE)	TO ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))		NO	0.00	0.06	0.06	5		GR	1
0417	6	2			GEORGE WEIKERT LANE	FROM ROUTE 0014 (UNITED STATES AVENUE)	TO ROUTE 0011 (SEDGWICK AVENUE)		NO	0.00	0.10	0.10	5		GR	2
0418	6	2	241822		GETTYSBURG ARMORY DRIVE	FROM RIDGE AVENUE	TO ROUTE 0942 (GETTYSBURG ARMORY CONCRETE PARKING APRON)		YES	0.12	0.00	0.12	5		AS	1
0419	6	2	241825		GETTYSBURG ARMORY DRIVE 2	FROM ROUTE 0418 (GETTYSBURG ARMORY DRIVE)	TO ROUTE 0937 (GETTYSBURG ARMORY PARKING AREA B)		YES	0.03	0.00	0.03	5		AS	1
0600	6	2	115828		COSTER AVENUE	FROM STRATTON STREET	TO HAZEL ALLEY		YES	0.03	0.00	0.03	8		AS	1

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
5000	4	1			STATE HIGHWAY 134 (TANEYTOWN ROAD)	FROM BRIDGE OVER U.S. HIGHWAY 15	TO ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))		NO	3.13	0.00	3.13			AS	1,2

Cycle 6 NPS / RIP Route ID Report

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

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GETT *Gettysburg National Military 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
5001	4	1			U.S. HIGHWAY 30 (CHAMBERSBURG ROAD AND LINCOLN HIGHWAY)	FROM COUNTRY CLUB LANE	TO INTERSECTION OF ROUTE 0040 (SEMINARY RIDGE AVENUE) AND BUFORD AVENUE		NO	0.83	0.00	0.83			AS	1
5002	5	1			BUSINESS ROUTE 15 (OLD HARRISBURG ROAD)	FROM ROUTE 0100 (JONES BATTALION AVENUE) AT MP 0.00 ON RIGHT	TO BEGINNING OF ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD)) AT SOUTH EXIT OF THE TRAFFIC CIRCLE		NO	1.68	0.00	1.68			AS	1
5003	4	1			BALTIMORE PIKE	FROM ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD)) AT INTERSECTION OF BALTIMORE STREET AND STEINWEHR AVENUE	TO ROCK CREEK BRIDGE		NO	1.73	0.00	1.73			AS	1,2
5004	4	1			PENNSYLVANIA STATE HIGHWAY 34 (BIGLERVILLE ROAD AND CARLISLE ROAD)	FROM ROUTE 0412 (COBEAN FARM LANE) ON RIGHT	TO ROUTE 5002 (BUSINESS ROUTE 15 (OLD HARRISBURG ROAD)) AT LINCOLN AVENUE		NO	1.12	0.00	1.12			AS	1
5005	4	1			MUMMASBURG ROAD	FROM HERR'S RIDGE ROAD	TO WEST LINCOLN AVENUE		NO	1.59	0.00	1.59			AS	1
5006	5	1			BUSINESS ROUTE 15 (EMMITSBURG ROAD)	FROM END OF ROUTE 5002 (BUSINESS ROUTE 15 (OLD HARRISBURG ROAD)) AT SOUTH EXIT OF THE TRAFFIC CIRCLE	TO SOUTH PARK BOUNDARY		NO	3.46	0.00	3.46			AS	1,2

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
0900ZZ	6	2	63411		ETERNAL PEACE LIGHT MEMORIAL PARKING AREAS	ADJACENT TO ROUTE 0026 (NORTH CONFEDERATE AVENUE) ON LEFT AND RIGHT AT MP 0.13			YES	PUBLIC	9,181	AS	1

Report Date: 10/30/2021

Cycle 6 NPS / RIP Route ID Report

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GETT *Gettysburg National Military 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
0901	6	2	69442		OAK RIDGE TOWER PARKING	ADJACENT TO ROUTE 0055 (DOUBLEDAY AVENUE) AT MP 0.06 ON LEFT			YES	PUBLIC	2,351	AS	1
0902	6	2	66140		WEST END GUIDE STATION PARKING	FROM ROUTE 0024 (STONE-MEREDITH AVENUE) AT MP 0.01 ON RIGHT	TO ROUTE 5001 (U.S. HIGHWAY 30 (CHAMBERSBURG ROAD AND LINCOLN HIGHWAY))		YES	PUBLIC	7,147	AS	1
0904	6	2	67404		NATIONAL CEMETERY PARKING	FROM ROUTE 0010 (HANCOCK AVENUE) AT MP 1.08 ON RIGHT	TO ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))		YES	PUBLIC	53,984	AS	1
0905	6	2	68567		CULPS HILL TOWER PARKING	ADJACENT TO ROUTE 0052 (CULPS HILL TOWER ROAD) AT END OF LOOP			YES	PUBLIC	3,366	AS	1
0906	6	2	68574		SPANGLER'S SPRING PARKING	ADJACENT TO ROUTE 0030 (SLOCUM AVENUE) AT MP 0.10 ON RIGHT			YES	PUBLIC	1,207	AS	1
0908	6	2	67366		VIRGINIA MEMORIAL LOOP PARKING	FROM ROUTE 0018 (WEST CONFEDERATE AVENUE) AT MP 1.13 ON LEFT	TO ROUTE 0018 (WEST CONFEDERATE AVENUE) AT MP 1.15 ON LEFT		YES	PUBLIC	8,991	AS	1
0909	6	2	69448		PENNSYLVANIA MONUMENT PARKING	ADJACENT TO ROUTE 0022 (HUMPHREYS AVENUE)			YES	PUBLIC	2,101	AS	1
0910ZZ	6	2	69571		MAINTENANCE PARKING AREAS	FROM ROUTE 0021 (PLEASONTON AVENUE) AND ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))	TO PARKING		YES	PUBLIC	53,121	AS	1
0911	NC		69427		GETTYSBURG NATIONAL CEMETERY ANNEX PARKING	FROM ROUTE 0203 (NATIONAL CEMETERY ANNEX DRIVE- MAIN LOOP)	TO PARKING		NO	PUBLIC	6,148	GR	1
0912	6	2	69543		LONGSTREET TOWER PARKING	ADJACENT TO ROUTE 0018 (WEST CONFEDERATE AVENUE) AT MP 2.25 ON LEFT			YES	PUBLIC	7,844	AS	2
0913	6	2	69215		SOUTH END GUIDE STATION PARKING	FROM ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))	TO ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))		YES	PUBLIC	5,964	AS	2
0914ZZ	6	2	69309		DEVIL'S DEN PARKING AREAS	ADJACENT TO ROUTE 0042 (SOUTH SICKLES AVENUE)			YES	PUBLIC	4,150	AS	2

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GETT *Gettysburg National Military 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
0915ZZ	6	2	69300		LITTLE ROUND TOP PARKING AREAS	ADJACENT TO ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) ON LEFT AND RIGHT AT MP 1.74			YES	PUBLIC	7,627	AS	2
0916	6	2	69290		BIG ROUND TOP PARKING	ADJACENT TO ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) AT MP 1.33 ON LEFT			YES	PUBLIC	3,411	AS	2
0917	6	2	69435		20TH MAINE MONUMENT PARKING	ADJACENT TO ROUTE 0019 (WRIGHT AVENUE) AT MP 0.02 ON LEFT			YES	PUBLIC	1,206	AS	2
0918	NC		69340		PITZER WOODS AMPHITHEATER PARKING	FROM ROUTE 0018 (WEST CONFEDERATE AVENUE) AT MP 1.77 ON RIGHT	TO ROUTE 0018 (WEST CONFEDERATE AVENUE) AT MP 1.86 ON RIGHT		NO	PUBLIC	5,298	GR	1
0919	NC		69341		PICNIC PARKING AREA	FROM ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) AT MP 0.20 ON RIGHT	TO ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) AT MP 0.25 ON RIGHT		NO	PUBLIC	9,223	GR	2
0920	6	2	115829		VISITOR CENTER BUS PARKING AREA	FROM ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.09 ON LEFT	TO ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.29 ON LEFT		YES	PUBLIC	100,640	AS	1
0921	6	2	115830		VISITOR CENTER PARKING AREA 1	FROM ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.17 ON RIGHT	TO ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.34 ON RIGHT		YES	PUBLIC	97,506	AS	1
0922	6	2	115831		VISITOR CENTER PARKING AREA 2	FROM ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.40 ON RIGHT	TO ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.42 ON RIGHT		YES	PUBLIC	44,941	AS	1
0923	6	2	115832		VISITOR CENTER PARKING AREA 3	FROM ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.65 ON RIGHT	TO PARKING		YES	PUBLIC	116,375	AS	1
0924	6	2			NATIONAL CEMETERY ANNEX HANDICAPPED PARKING	FROM ROUTE 0911 (GETTYSBURG NATIONAL CEMETERY ANNEX PARKING)	TO PARKING		YES	PUBLIC	855	AS	1
0925	NC				WEST END GUIDE STATION OVERFLOW PARKING	FROM ROUTE 0024 (STONE-MEREDITH AVENUE)	TO PARKING		NO	PUBLIC	6,290	GR	1
0926	NC				CEMETERY OVERFLOW PARKING	FROM ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))	TO ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))		NO	PUBLIC	39,989	GR	1

Cycle 6 NPS / RIP Route ID Report

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GETT *Gettysburg National Military 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
0927	NC		237530		WRIGHT HOUSE PARKING	FROM ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))	TO PARKING		NO	PUBLIC	9,407	GR	1
0928	NC				HUNTS AVENUE OVERFLOW PARKING	FROM ROUTE 0035 (HUNT AVENUE)	TO PARKING		NO	PUBLIC	3,687	GR	1
0929ZZ	NC				MCMILLIAN WOODS CAMPING AND HORSE PARKING	FROM END OF ROUTE 0401 (MCMILLAN WOODS LANE)	TO PARKING		NO	PUBLIC	31,198	GR	1
0930	NC				CODORI HOUSE PARKING	FROM ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))	TO PARKING		NO	PUBLIC	3,044	GR	1
0931	NC				FREY HOUSE	FROM ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))	TO PARKING		NO	PUBLIC	3,267	GR	1
0932	NC				HOFFMAN HOUSE LANE PARKING	FROM ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))	TO ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))		NO	PUBLIC	9,697	GR	1
0933ZZ	NC				WHEATFIELD ROAD AND SCHOOLHOUSE PARKING AREA	FROM ROUTE 0013 (WHEATFIELD ROAD)	TO PARKING		NO	PUBLIC	5,131	GR	2
0934	NC				POWERS HILL PARKING AREA	FROM ROUTE 0036 (GRANITE SCHOOL HOUSE LANE)	TO PARKING		NO	PUBLIC	3,660	GR	2
0935	NC				TROSTLE HOUSE PARKING AREA	FROM ROUTE 0014 (UNITED STATES AVENUE)	TO PARKING		NO	PUBLIC	5,770	GR	2
0936	NC				SHERFY HOUSE PARKING	FROM ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))	TO PARKING		NO	PUBLIC	6,500	GR	2
0937	6	2	241824		GETTYSBURG ARMORY PARKING AREA B	FROM ROUTE 0419 (GETTYSBURG ARMORY DRIVE 2)	TO ROUTE 0938 (GETTYSBURG ARMORY FENCED PARKING CAMPGROUND)		YES	PUBLIC	7,286	AS	1
0938	6	2	241827		GETTYSBURG ARMORY FENCED PARKING CAMPGROUND	FROM ROUTE 0418 (GETTYSBURG ARMORY DRIVE)	TO ROUTE 0937 (GETTYSBURG ARMORY PARKING AREA B)		YES	PUBLIC	7,246	AS	1

Cycle 6 NPS / RIP Route ID Report

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GETT *Gettysburg National Military 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
0939	NC				COVIN FARM PARKING	FROM ROUTE 0412 (COBEAN FARM LANE)	TO PARKING		NO	PUBLIC	8,781	GR	1
0940ZZ	NC				JOSIAN BENNER FARM AND BARN PARKING	FROM ROUTE 5002 (BUSINESS ROUTE 15 (OLD HARRISBURG ROAD))	TO PARKING		NO	PUBLIC	15,080	GR	1
0941	NC				EMANUEL HARMON FARM NPS PARKING	ADJACENT TO COUNTRY CLUB LANE			NO	PUBLIC	1,118	GR	1
0942	6	2	241826		GETTYSBURG ARMORY CONCRETE PARKING APRON	FROM ROUTE 0418 (GETTYSBURG ARMORY DRIVE)	TO ROUTE 0943 (GETTYSBURG ARMORY PARKING AREA A)		YES	PUBLIC	2,776	CO	1
0943	6	2	241823		GETTYSBURG ARMORY PARKING AREA A	FROM ROUTE 0942 (GETTYSBURG ARMORY CONCRETE PARKING APRON)	TO PARKING		YES	PUBLIC	7,465	AS	1

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Cycle 6 Summary Totals for Gettysburg National Military Park

Cycle 6 Route Totals

	NPS Maintained	Concessionaire Maintained	Park Totals
Paved Roads, Data Collection Vehicle Rated (Miles)	29.06	0	**29.06**
Paved Roads, Manually Rated Length (Miles)	0.31	0	**0.31**
Paved Roads, Manually Rated Area (Sq. Ft.)	0	0	**0**
Unpaved Roads (Miles)	2.22	0	**2.22**
Paved Parking (Sq. Ft.)	556,741	0	**556,741**
Unpaved Parking (Sq. Ft.)	173,288	0	**173,288**

Cycle 6 Lane Miles and Overall Pavement Condition

	Lanes Miles*	Pavement Condition Rating**
Data Collection Vehicle Routes	46.64	92
Manually Rated Roads	0.39	92
Parking Areas	9.59	77

* 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

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General Park Road Functional Classification (FC) Table

FC	Type	User Access	Description	Route Numbers
1	Principal Park Road Rural Parkway	Public	Roads which constitute the main access route, circulatory tour, or thoroughfare for park visitors. Rural Parkways (e.g. Natchez Trace) are numbered 0001 - 0009.	0001 - 0009 0010 - 0099
2	Connector Park Road	Public	Roads which provide access within a park to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, etc.	0100 - 0199
3	Special Purpose Park Road	Public	Roads which provide circulation within public areas, such as campgrounds, picnic areas, visitor center complexes, concessionaire facilities, etc. These roads generally serve low-speed traffic and are often designed for one-way circulation.	0200 - 0299
4	Primitive Park Road	Public	Roads which provide circulation through remote areas and/or access to primitive campgrounds and undeveloped areas. These roads frequently have no minimum design standards and their use may be limited to specially equipped vehicles. Note: Functional Classes 3 and 4 have the same route numbers because, historically, they were numbered similarly.	0200 - 0299
5	Administrative Park Road	Public	All public roads intended for access to administrative developments or structures such as park offices, employee quarters, or utility areas.	0400 - 0499
6	Administrative Park Road (Restricted Access)	Nonpublic	All roads normally closed to the public, including patrol roads, truck trails, and other similar roads. Note: Functional Classes 5 and 6 have the same route numbers because historically they were numbered similarly and often there is little distinction between these routes. For example, because utility areas and employee housing are often closed to the public, this restriction would result in classification of FC 6 rather than FC 5.	0400 - 0499
7	Urban Parkway	Public	These facilities serve high volumes of park and non-park related traffic and are restricted, limited-access facilities in an urban area. This category of roads primarily encompasses the major parkways which serve as gateways to our nation's capital. Other major park roads or portions thereof, however, may be included in this category.	0001 - 0009
8	City Street	Public	City streets are usually extensions of the adjoining street system that are owned and maintained by the National Park Service. The construction and/or reconstruction should conform with accepted local engineering practice and local conditions.	0600 - 0699
N/A	Non-NPS Roads	Public	State, County, or City owned roads which border, traverse, or provide access to Park Facilities or Locations. Non-NPS roads are not assigned functional classes and are driven for GPS and Video Log only.	5000 - 5999

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

A park road system contains those roads within or giving access to a park or other unit of the NPS which are administered by the NPS , or by the Service in cooperation with other agencies. The assignment of a functional classification (FC) to a park road is not based on traffic volumes or design speed, but on the intended use or function of that road or route.

The historic route numbering system also included a 300 series for interpretive roads, and a 500 series for one-way roads. There are approximately 250 roads nationwide which are designated by the 300 and 500 series. The numbers for these roads will be maintained for reporting consistency. However, since these interpretive and one-way routes are not as clearly tied to a specific functional class, the 300 and 500 series will be discontinued for future use.

Report Date: 10/30/2021

NPS / RIP Subcomponent Details for GETT

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GETT *Gettysburg National Military 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)
0037ZZ	69443	6	2		NATIONAL CEMETERY DRIVE	FROM ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))	TO ROUTE 5003 (BALTIMORE PIKE)	YES	0.70	0.00	0.70	3	
0057ZZ	115826	6	2		VISITOR CENTER BUS LOOPS	FROM ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.08 ON RIGHT	THROUGH VISITOR CENTER BUS LOOPS	YES	0.45	0.00	0.45	1	
0402ZZ	69404	6	2		BUSHMAN FARM LANE	FROM ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) AT MP 0.08 ON LEFT	TO END	NO	0.00	0.27	0.27	5	

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)
0900ZZ	63411	6	2		ETERNAL PEACE LIGHT MEMORIAL PARKING AREAS	ADJACENT TO ROUTE 0026 (NORTH CONFEDERATE AVENUE) ON LEFT AND RIGHT AT MP 0.13		YES	PUBLIC	9,181
0910ZZ	69571	6	2		MAINTENANCE PARKING AREAS	FROM ROUTE 0021 (PLEASONTON AVENUE) AND ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))	TO PARKING	YES	PUBLIC	53,121
0914ZZ	69309	6	2		DEVIL'S DEN PARKING AREAS	ADJACENT TO ROUTE 0042 (SOUTH SICKLES AVENUE)		YES	PUBLIC	4,150
0915ZZ	69300	6	2		LITTLE ROUND TOP PARKING AREAS	ADJACENT TO ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) ON LEFT AND RIGHT AT MP 1.74		YES	PUBLIC	7,627
0929ZZ		NC			MCMILLIAN WOODS CAMPING AND HORSE PARKING	FROM END OF ROUTE 0401 (MCMILLAN WOODS LANE)	TO PARKING	NO	PUBLIC	31,198
0933ZZ		NC			WHEATFIELD ROAD AND SCHOOLHOUSE PARKING AREA	FROM ROUTE 0013 (WHEATFIELD ROAD)	TO PARKING	NO	PUBLIC	5,131
0940ZZ		NC			JOSIAN BENNER FARM AND BARN PARKING	FROM ROUTE 5002 (BUSINESS ROUTE 15 (OLD HARRISBURG ROAD))	TO PARKING	NO	PUBLIC	15,080

NPS / RIP Subcomponent Details for GETT

(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

GETT *Gettysburg National Military Park*

GETT-0037ZZ 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)
0037AZ	69443	6	2		NATIONAL CEMETERY DRIVE LOOP	FROM ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))	TO ROUTE 0037AZ (NATIONAL CEMETERY DRIVE LOOP) AT MP 0.02 ON LEFT	YES	0.61	0.00	0.61	3	
0037BZ	69443	6	2		NATIONAL CEMETERY DRIVE - BALTIMORE STREET ENTRANCE	FROM ROUTE 0037AZ (NATIONAL CEMETERY DRIVE LOOP)	TO ROUTE 5003 (BALTIMORE PIKE)	YES	0.03	0.00	0.03	3	
0037CZ	69443	6	2		NATIONAL CEMETERY DRIVE - BALTIMORE SPUR	FROM ROUTE 0037BZ (NATIONAL CEMETERY DRIVE - BALTIMORE STREET ENTRANCE)	TO END OF LOOP	YES	0.06	0.00	0.06	3	

GETT-0057ZZ 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)
0057AZ	115826	6	2		VISITOR CENTER BUS LOOP A	FROM ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.08 ON RIGHT	TO ROUTE 0057BZ (VISITOR CENTER BUS LOOP B)	YES	0.26	0.00	0.26	1	
0057BZ	115826	6	2		VISITOR CENTER BUS LOOP B	FROM ROUTE 0057AZ (VISITOR CENTER BUS LOOP A)	TO END OF LOOP	YES	0.19	0.00	0.19	1	

NPS / RIP Subcomponent Details for GETT

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

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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

GETT *Gettysburg National Military Park*

GETT-0402ZZ 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)
0402AZ	69404	6	2		BUSHMAN FARM LANE A	FROM ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) AT MP 0.08 ON LEFT	TO END OF LANE	NO	0.00	0.17	0.17	5	
0402BZ	69404	6	2		BUSHMAN FARM LANE B	FROM ROUTE 0402AZ (BUSHMAN FARM LANE A)	TO END	NO	0.00	0.10	0.10	5	

GETT-0900ZZ 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)
0900AZ	63411	6	2		ETERNAL PEACE LIGHT MEMORIAL PARKING A	ADJACENT TO ROUTE 0026 (NORTH CONFEDERATE AVENUE) AT MP 0.13 ON RIGHT		YES	PUBLIC	3,943
0900BZ	63411	6	2		ETERNAL PEACE LIGHT MEMORIAL PARKING B	ADJACENT TO ROUTE 0026 (NORTH CONFEDERATE AVENUE) AT MP 0.13 ON LEFT		YES	PUBLIC	5,238

GETT-0910ZZ 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)
0910AZ	69571	6	2		MAINTENANCE PARKING A	FROM ROUTE 0021 (PLEASONTON AVENUE) AT MP 0.07 ON LEFT	TO PARKING	YES	PUBLIC	47,377
0910BZ	69571	6	2		MAINTENANCE PARKING B	FROM ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))	TO PARKING	YES	PUBLIC	5,744

NPS / RIP Subcomponent Details for GETT

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

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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

GETT *Gettysburg National Military Park*

GETT-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	69309	6	2		DEVIL'S DEN PARKING A	ADJACENT TO ROUTE 0042 (SOUTH SICKLES AVENUE) AT MP 0.04 ON LEFT		YES	PUBLIC	1,499
0914BZ	69309	6	2		DEVIL'S DEN PARKING B	ADJACENT TO ROUTE 0042 (SOUTH SICKLES AVENUE) AT MP 0.07 ON LEFT		YES	PUBLIC	1,004
0914CZ	69309	6	2		DEVIL'S DEN PARKING C	ADJACENT TO ROUTE 0042 (SOUTH SICKLES AVENUE) AT MP 0.09 ON LEFT		YES	PUBLIC	817
0914DZ	69309	6	2		DEVIL'S DEN PARKING D	ADJACENT TO ROUTE 0042 (SOUTH SICKLES AVENUE) AT MP 0.10 ON LEFT		YES	PUBLIC	830

GETT-0915ZZ 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)
0915AZ	69300	6	2		LITTLE ROUND TOP PARKING A	ADJACENT TO ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) AT MP 1.74 ON RIGHT		YES	PUBLIC	2,702
0915BZ	69300	6	2		LITTLE ROUND TOP PARKING B	ADJACENT TO ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) AT MP 1.74 ON LEFT		YES	PUBLIC	4,925

NPS / RIP Subcomponent Details for GETT

(Numerical By Summary Route and Subcomponent #)

Federal Lands Highway
Road Inventory Program

Shading Color Key

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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

GETT *Gettysburg National Military Park*

GETT-0929ZZ 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)
0929AZ		NC			MCMILLIAN WOODS CAMPING PARKING	FROM END OF ROUTE 0401 (MCMILLAN WOODS LANE)	TO ROUTE 0929BZ (MCMILLIAN WOODS HORSE PARKING)	NO	PUBLIC	7,501
0929BZ		NC			MCMILLIAN WOODS HORSE PARKING	FROM ROUTE 0929AZ (MCMILLIAN WOODS CAMPING PARKING)	TO PARKING	NO	PUBLIC	23,697

GETT-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		NC			WHEATFIELD ROAD PARKING AREA	ADJACENT TO ROUTE 0013 (WHEATFIELD ROAD)		NO	PUBLIC	3,634
0933BZ		NC			WHEATFIELD SCHOOLHOUSE PARKING	FROM ROUTE 0013 (WHEATFIELD ROAD)	TO PARKING	NO	PUBLIC	1,497

GETT-0940ZZ 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)
0940AZ		NC			JOSIAN BENNER FARM PARKING	FROM ROUTE 5002 (BUSINESS ROUTE 15 (OLD HARRISBURG ROAD))	TO PARKING	NO	PUBLIC	3,081
0940BZ		NC			JOSIAN BENNER BARN PARKING	FROM ROUTE 5002 (BUSINESS ROUTE 15 (OLD HARRISBURG ROAD))	TO PARKING	NO	PUBLIC	11,999

Route Identification Changes to Paved Routes from Previous Cycle
Gettysburg National Military Park

ROUTES REMOVED FROM PREVIOUS INVENTORY:			
Route No.	**Route Name**	**Type of Change**	**Comments**
0903	OLD VISITOR CENTER DRIVE AND PARKING	OTHER	PARKING AREA REMOVED BECAUSE IT NO LONGER EXIST (DEMOLISHED).

ROUTES ADDED FROM PREVIOUS INVENTORY:			
Route No.	**Route Name**	**Type of Change**	**Comments**
0418	GETTYSBURG ARMORY DRIVE	OTHER	PAVED ROAD ADDED IN CYCLE 6.
0419	GETTYSBURG ARMORY DRIVE 2	OTHER	PAVED ROAD ADDED IN CYCLE 6.
0937	GETTYSBURG ARMORY PARKING AREA B	OTHER	PAVED PARKING AREA ADDED IN CYCLE 6.
0938	GETTYSBURG ARMORY FENCED PARKING CAMPGROUND	OTHER	PAVED PARKING AREA ADDED IN CYCLE 6.
0942	GETTYSBURG ARMORY CONCRETE PARKING APRON	OTHER	PAVED PARKING AREA ADDED IN CYCLE 6.
0943	GETTYSBURG ARMORY PARKING AREA A	OTHER	PAVED PARKING AREA ADDED IN CYCLE 6.

ROUTES MODIFIED FROM PREVIOUS INVENTORY:			
Route No.	**Route Name**	**Type of Change**	**Comments**
0014	UNITED STATES AVENUE	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 2 TO 1 IN CYCLE 6.
0037ZZ	NATIONAL CEMETERY DRIVE	ROUTE NAME	ROUTE NAME CHANGED FROM "NATIONAL MONUMENT DRIVE" TO " NATIONAL CEMETERY DRIVE".
0412	COBEAN FARM LANE	FUNCTIONAL CLASS CHANGE	FUNCTIONAL CLASS CHANGED FROM 5 TO 3 IN CYCLE 6.
0904	NATIONAL CEMETERY PARKING	SQ FEET CHANGE	IMPROVED GPS AND SQUARE FOOTAGE COLLECTED IN CYCLE 6.
0915ZZ	LITTLE ROUND TOP PARKING AREAS	SQ FEET CHANGE	IMPROVED GPS AND SQUARE FOOTAGE COLLECTED IN CYCLE 6.
0916	BIG ROUND TOP PARKING	SQ FEET CHANGE	IMPROVED GPS AND SQUARE FOOTAGE COLLECTED IN CYCLE 6.
0917	20TH MAINE MONUMENT PARKING	SQ FEET CHANGE	IMPROVED GPS AND SQUARE FOOTAGE COLLECTED IN CYCLE 6.
0923	VISITOR CENTER PARKING AREA 3	SQ FEET CHANGE	IMPROVED GPS AND SQUARE FOOTAGE COLLECTED IN CYCLE 6.

Section 3
Park Summary Information

Gettysburg National Military Park

Federal Lands Highway
Road Inventory Program

Parkwide Paved Route Condition Summary
Gettysburg National Military Park

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

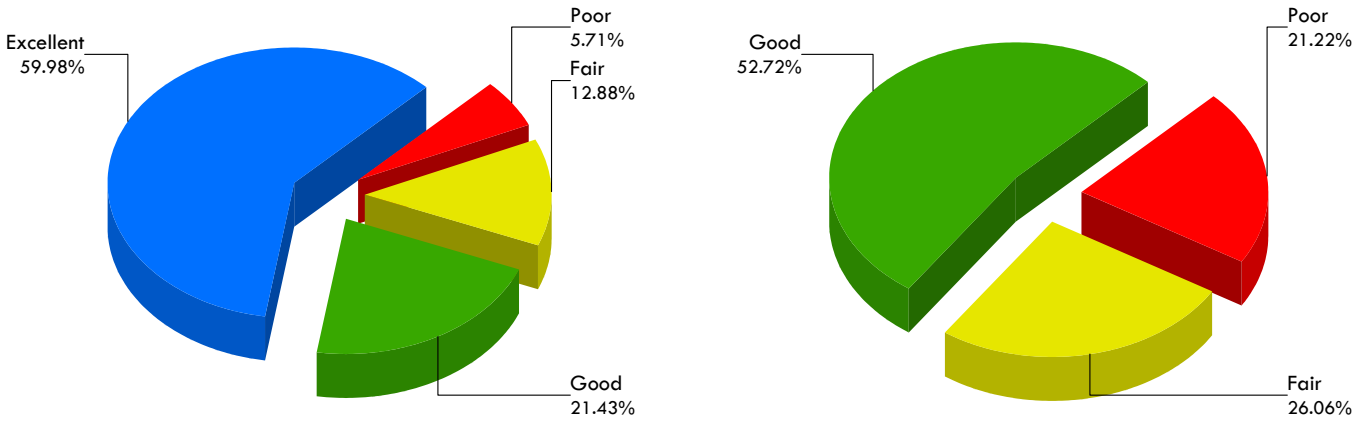
Breakdown of Pavement Condition Rating (PCR) Based on Access Level

	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	0.14	1.86	3.83	12.14	17.97
2	1.40	1.81	1.94	4.69	9.84
3		0.10	0.53	0.75	1.38
4					
5	0.14	0.01			0.15
6					
7					
8				0.03	0.03
Total Mileage by PCR	**1.68**	**3.78**	**6.30**	**17.62**	**29.37**
PAVED PARKING					
Access Level	**Area (sq. ft.)**	**Area (sq. ft.)**	**Area (sq. ft.)**	**Area (sq. ft.)**	**Total Area**
PUBLIC	117,948	144,883	293,055		555,886
NONPUBLIC					
Total Area by PCR	**117,948**	**144,883**	**293,055**	**0**	**555,886**

NOTES:

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

Parkwide Condition Percentages



Road Condition Percentages **Parking Area Condition Percentages**

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

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

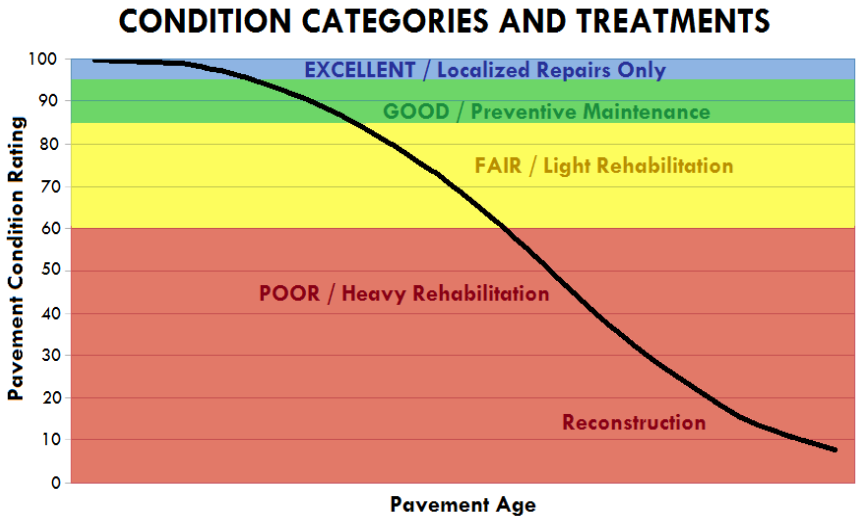
The Road Inventory Program aims to provide assistance in translating the excellent / good / fair / poor rating categories into pavement needs categories. The PCR can be used to indicate the place in the Pavement Life Cycle and the type of treatments that should be considered now and into the future.

- Excellent / New: PCR of 95-100
  - Pavements in this range will require only spot repairs

- Good: PCR of 85-94
  - Pavements in this range will likely be candidates for Preventive Maintenance. Examples include Chip and Slurry Seals, Micro Surfacing and Thin Overlays.

- Fair: PCR of 61-84
  - Pavements in this range will likely be candidates of Light Rehabilitation (L3R). Examples include singlelift overlays up to 2.5 inches in total thickness, milling and overlays.

- Poor: PCR of 0-60
  - Pavements in this range will likely be candidates of Heavy Rehabilitation or Reconstruction (H3R or 4R). Examples include Pulverization, Multiple Lift Overlays, and Reconstruction.



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

Federal Lands Highway
Road Inventory Program

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

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

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

Route No.	FMSS No.	Route Name	Functional Class	Surf. Type	Paved Length (Miles)	Pavement Condition Rating (PCR)	Roughness Condition Index (RCI)	Surface Condition Rating (SCR)	Structural Crack Index	Alligator Crack Index	Longitudinal Cracking Index	Transverse Cracking Index	Patch / Pothole Index	Rutting Index
GETT-0010	67386	HANCOCK AVENUE	1	AS	1.15	99	NR	99	100	100	100	100	100	99
GETT-0011	69335	SEDGWICK AVENUE	2	AS	0.53	91	80	99	100	100	100	100	100	99
GETT-0012	69561	SOUTH CONFEDERATE-SYKES AVENUE	1	AS	1.96	98	99	98	100	100	100	98	100	99
GETT-0013	69318	WHEATFIELD ROAD	1	AS	1.16	94	92	96	96	100	96	100	100	99
GETT-0014	67389	UNITED STATES AVENUE	1	AS	0.79	100	100	100	100	100	100	100	100	100
GETT-0015	67384	NORTH SICKLES AVENUE	1	AS	0.56	99	100	99	99	100	99	99	100	100
GETT-0016	69332	WARREN AVENUE	2	AS	0.30	97	NR	97	100	100	100	100	100	97
GETT-0017	69334	CRAWFORD AVENUE	2	AS	0.35	99	NR	99	99	100	99	100	100	99
GETT-0018	67378	WEST CONFEDERATE AVENUE	1	AS	2.83	95	89	99	100	100	100	100	100	99
GETT-0019	69369	WRIGHT AVENUE	2	AS	0.56	90	79	98	100	100	100	100	100	98
GETT-0020	69440	BERDAN AVENUE	2	AS	0.12	84	NR	84	100	100	100	100	100	84
GETT-0021	67395	PLEASONTON AVENUE	1	AS	0.31	95	NR	95	100	100	100	95	100	100
GETT-0022	67391	HUMPHREYS AVENUE	2	AS	0.10	100	NR	100	100	100	100	100	100	100
GETT-0023	66114	REYNOLDS AVENUE	1	AS	0.99	98	100	97	100	100	100	97	100	100
GETT-0024	66129	STONE-MEREDITH AVENUE	2	AS	0.51	99	100	99	100	100	100	100	100	99
GETT-0025	65274	BUFORD AVENUE	1	AS	0.64	97	94	99	100	100	100	99	100	99
GETT-0026	63409	NORTH CONFEDERATE AVENUE	1	AS	0.36	99	NR	99	100	100	100	100	100	99
GETT-0027	66063	WADSWORTH AVENUE	1	AS	0.16	100	NR	100	100	100	100	100	100	100
GETT-0028	65288	HOWARD AVENUE	1	AS	0.96	99	99	99	100	100	100	100	100	99

Data Collection Date: 11/2020

Federal Lands Highway
Road Inventory Program

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

Condition (Rating / Index) Legend

- EXCELLENT (95 - 100)
- GOOD (85 - 94)
- FAIR (61 - 84)
- POOR (0 - 60)
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Route-Level Condition for Roads Rated with the Data Collection Vehicle (DCV)

Route No.	FMSS No.	Route Name	Functional Class	Surf. Type	Paved Length (Miles)	Pavement Condition Rating (PCR)	Roughness Condition Index (RCI)	Surface Condition Rating (SCR)	Structural Crack Index	Alligator Crack Index	Longitudinal Cracking Index	Transverse Cracking Index	Patch / Pothole Index	Rutting Index
GETT-0029	68569	EAST CONFEDERATE AVENUE	2	AS	1.38	95	89	99	100	100	100	99	100	99
GETT-0030	68571	SLOCUM AVENUE	1	AS	1.04	97	NR	97	100	100	100	100	100	97
GETT-0032	68572	WILLIAMS AVENUE	2	AS	0.31	96	NR	96	100	100	100	99	100	96
GETT-0033	68735	GEARY AVENUE	2	AS	0.38	97	NR	97	100	100	100	99	100	97
GETT-0034	68743	COLGROVE-CARMAN AVENUE	1	AS	0.55	96	NR	96	100	100	100	100	100	96
GETT-0035	67398	HUNT AVENUE	1	AS	0.54	88	78	95	95	97	98	97	100	99
GETT-0036	68791	GRANITE SCHOOL HOUSE LANE	2	AS	0.83	97	95	99	100	100	100	99	100	100
GETT-0037AZ	69443	NATIONAL CEMETERY DRIVE LOOP	3	AS	0.61	97	NR	97	100	100	100	100	100	97
GETT-0037BZ	69443	NATIONAL CEMETERY DRIVE - BALTIMORE STREET ENTRANCE	3	AS	0.03	100	NR	100	100	100	100	100	100	100
GETT-0037CZ	69443	NATIONAL CEMETERY DRIVE - BALTIMORE SPUR	3	AS	0.06	96	NR	96	100	100	100	100	100	96
GETT-0038	68740	BENNER HILL AVENUE	2	AS	0.25	97	NR	97	97	100	97	98	100	100
GETT-0039	65277	ROBINSON AVENUE	1	AS	0.16	95	NR	95	100	100	100	99	100	95
GETT-0040	69553	SEMINARY RIDGE AVENUE	1	AS	0.34	97	NR	97	99	100	99	98	100	97
GETT-0041	69555	WAINWRIGHT AVENUE	2	AS	0.43	97	NR	97	97	99	98	98	100	97
GETT-0042	69320	SOUTH SICKLES AVENUE	1	AS	0.96	90	78	98	100	100	100	100	100	98
GETT-0043	69326	CROSS-BROOKE- DETROBRIAND AVENUE	2	AS	0.80	82	62	95	100	100	100	100	100	95
GETT-0044	69329	AYERS AVENUE	1	AS	0.30	97	NR	97	99	100	99	100	100	97
GETT-0052	68568	CULPS HILL TOWER ROAD	1	AS	0.15	97	NR	97	100	100	100	100	100	97
GETT-0053	69554	MILLERSTOWN ROAD	1	AS	0.37	96	NR	96	100	100	100	100	100	96

Data Collection Date: 11/2020

Federal Lands Highway
Road Inventory Program

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

Gettysburg National Military Park

Condition (Rating / Index) Legend

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

Notes:

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- Additional details on individual road ratings at 0.10-mile and 1-mile intervals can be found in Section 5 of the Cycle 6 RIP Report.
- Refer to the RIP Report Appendix for an explanation of the rating system and rating methods.

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

Route No.	FMSS No.	Route Name	Functional Class	Surf. Type	Paved Length (Miles)	Pavement Condition Rating (PCR)	Roughness Condition Index (RCI)	Surface Condition Rating (SCR)	Structural Crack Index	Alligator Crack Index	Longitudinal Cracking Index	Transverse Cracking Index	Patch / Pothole Index	Rutting Index
GETT-0054	69367	HOWE AVENUE	2	AS	0.17	100	NR	100	100	100	100	100	100	100
GETT-0055	65272	DOUBLEDAY AVENUE	1	AS	0.40	99	NR	99	100	100	100	100	100	99
GETT-0056	115823	VISITOR CENTER DRIVE	1	AS	0.84	70	49	84	92	97	95	97	96	84
GETT-0057AZ	115826	VISITOR CENTER BUS LOOP A	1	AS	0.26	90	NR	89	97	100	97	99	100	89
GETT-0057BZ	115826	VISITOR CENTER BUS LOOP B	1	AS	0.19	91	NR	91	91	100	91	98	96	92
GETT-0100	115827	JONES BATTALION AVENUE	2	AS	0.33	92	NR	92	100	100	100	100	100	92
GETT-0200	69379	UNITED STATES CAVALRY AVENUE	2	AS	0.57	38	69	17	72	100	72	17	100	99
GETT-0201	69381	CONFEDERATE CAVALRY-GREGG AVENUE	2	AS	1.76	61	71	54	87	100	87	54	100	98
GETT-0202	69314	BIRNEY AVENUE	2	AS	0.16	95	NR	95	100	100	100	100	100	95
GETT-0412	63398	COBEAN FARM LANE	3	AS	0.40	92	NR	92	95	100	95	99	100	92
GETT-0418	241822	GETTYSBURG ARMORY DRIVE	5	AS	0.12	1	NR	1	1	78	23	51	88	76
GETT-0419	241825	GETTYSBURG ARMORY DRIVE 2	5	AS	0.03	61	NR	61	74	99	75	61	100	89

Data Collection Date: 11/2020

Federal Lands Highway
Road Inventory Program

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

Gettysburg National Military 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
GETT-0203	N/A	NATIONAL CEMETERY ANNEX DRIVE- MAIN LOOP	3	AS	0.28	90	NR	90	NR	97	97	90	97	97
GETT-0600	115828	COSTER AVENUE	8	AS	0.03	97	NR	97	NR	97	97	97	97	97

Data Collection Date: 06/2020

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program

Parking Area Condition Summary Report

Gettysburg National Military 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
GETT-0900AZ	63411	ETERNAL PEACE LIGHT MEMORIAL PARKING A	PUBLIC	AS	3,943	90	97	97	97	97	97	90					
GETT-0900BZ	63411	ETERNAL PEACE LIGHT MEMORIAL PARKING B	PUBLIC	AS	5,238	90	97	97	97	97	97	90					
GETT-0901	69442	OAK RIDGE TOWER PARKING	PUBLIC	AS	2,351	90	90	97	97	97	97	97					
GETT-0902	66140	WEST END GUIDE STATION PARKING	PUBLIC	AS	7,147	90	97	97	97	97	97	90					
GETT-0904	67404	NATIONAL CEMETERY PARKING	PUBLIC	AS	53,984	90	97	97	97	97	97	90					
GETT-0905	68567	CULPS HILL TOWER PARKING	PUBLIC	AS	3,366	90	97	97	97	97	97	90					
GETT-0906	68574	SPANGLER'S SPRING PARKING	PUBLIC	AS	1,207	90	97	97	97	97	97	90					
GETT-0908	67366	VIRGINIA MEMORIAL LOOP PARKING	PUBLIC	AS	8,991	90	97	97	97	97	97	90					
GETT-0909	69448	PENNSYLVANIA MONUMENT PARKING	PUBLIC	AS	2,101	90	97	97	97	97	97	90					
GETT-0910AZ	69571	MAINTENANCE PARKING A	PUBLIC	AS	47,377	73	90	90	73	97	90	73					
GETT-0910BZ	69571	MAINTENANCE PARKING B	PUBLIC	AS	5,744	90	97	90	90	97	90	90					
GETT-0912	69543	LONGSTREET TOWER PARKING	PUBLIC	AS	7,844	90	97	97	97	97	97	90					
GETT-0913	69215	SOUTH END GUIDE STATION PARKING	PUBLIC	AS	5,964	90	97	97	97	97	97	90					
GETT-0914AZ	69309	DEVIL'S DEN PARKING A	PUBLIC	AS	1,499	90	97	97	97	97	97	90					
GETT-0914BZ	69309	DEVIL'S DEN PARKING B	PUBLIC	AS	1,004	90	97	97	97	97	97	90					
GETT-0914CZ	69309	DEVIL'S DEN PARKING C	PUBLIC	AS	817	90	97	97	97	97	97	90					
GETT-0914DZ	69309	DEVIL'S DEN PARKING D	PUBLIC	AS	830	90	97	97	90	97	97	90					
GETT-0915AZ	69300	LITTLE ROUND TOP PARKING A	PUBLIC	AS	2,702	90	97	97	97	97	97	90					
GETT-0915BZ	69300	LITTLE ROUND TOP PARKING B	PUBLIC	AS	4,925	90	97	97	97	97	97	90					
GETT-0916	69290	BIG ROUND TOP PARKING	PUBLIC	AS	3,411	90	97	97	97	97	97	90					
GETT-0917	69435	20TH MAINE MONUMENT PARKING	PUBLIC	AS	1,206	90	97	97	97	97	97	90					
GETT-0920	115829	VISITOR CENTER BUS PARKING AREA	PUBLIC	AS	100,640	53	73	53	90	97	90	90					
GETT-0921	115830	VISITOR CENTER PARKING AREA 1	PUBLIC	AS	97,506	73	97	90	73	97	90	97					
GETT-0922	115831	VISITOR CENTER PARKING AREA 2	PUBLIC	AS	44,941	90	90	90	97	97	90	90					
GETT-0923	115832	VISITOR CENTER PARKING AREA 3	PUBLIC	AS	116,375	90	90	90	97	97	90	90					
GETT-0924	N/A	NATIONAL CEMETERY ANNEX HANDICAPPED PARKING	PUBLIC	AS	855	NR											

Data Collection Date: 06/2020

Federal Lands Highway
Road Inventory Program

Cycle 6 - Road Inventory Program

Parking Area Condition Summary Report

Gettysburg National Military 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	Longitudinal / Tranverse Cracking	Rutting / Distortions	Potholes / Patching	HMA Patching	Surface Raveling / Bleeding	Concrete Surface Distresses: Joint Faulting	Slab Cracking	Joint Distresses	Delamination / Pop-Outs	Potholes / Patching
GETT-0937	241824	GETTYSBURG ARMORY PARKING AREA B	PUBLIC	AS	7,286	53	53	90	73	90	90	73					
GETT-0938	241827	GETTYSBURG ARMORY FENCED PARKING CAMPGROUND	PUBLIC	AS	7,246	30	73	90	73	30	97	73					
GETT-0942	241826	GETTYSBURG ARMORY CONCRETE PARKING APRON	PUBLIC	CO	2,776	53							53	90	73	53	97
GETT-0943	241823	GETTYSBURG ARMORY PARKING AREA A	PUBLIC	AS	7,465	90	90	90	90	90	90	90					

Data Collection Date: 06/2020

Section 4
Park Route Location Maps

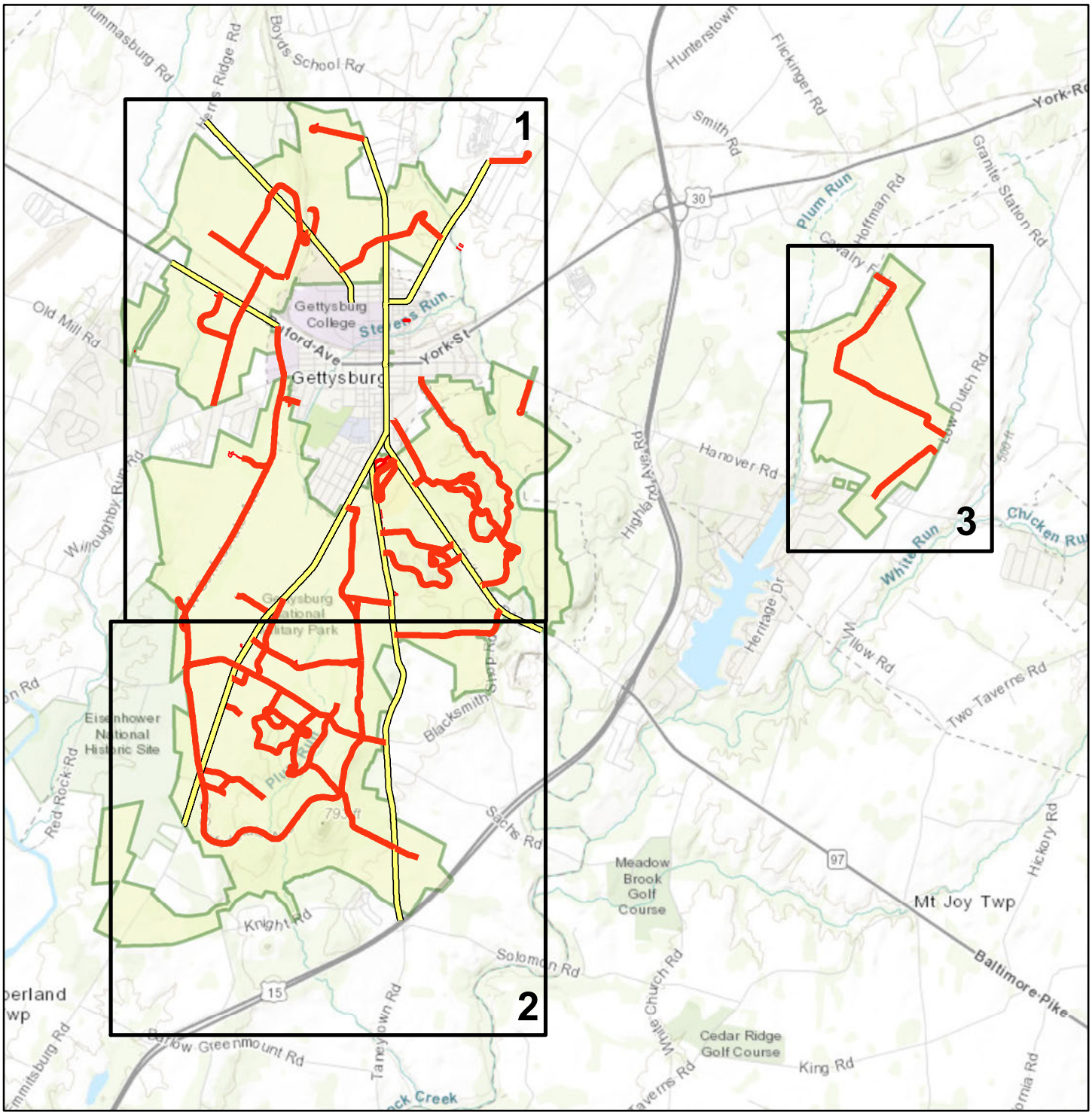
Gettysburg National Military Park

Federal Lands Highway
Road Inventory Program

Gettysburg National Military 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

NPS Collected Routes

Non-NPS Collected Routes

Miles

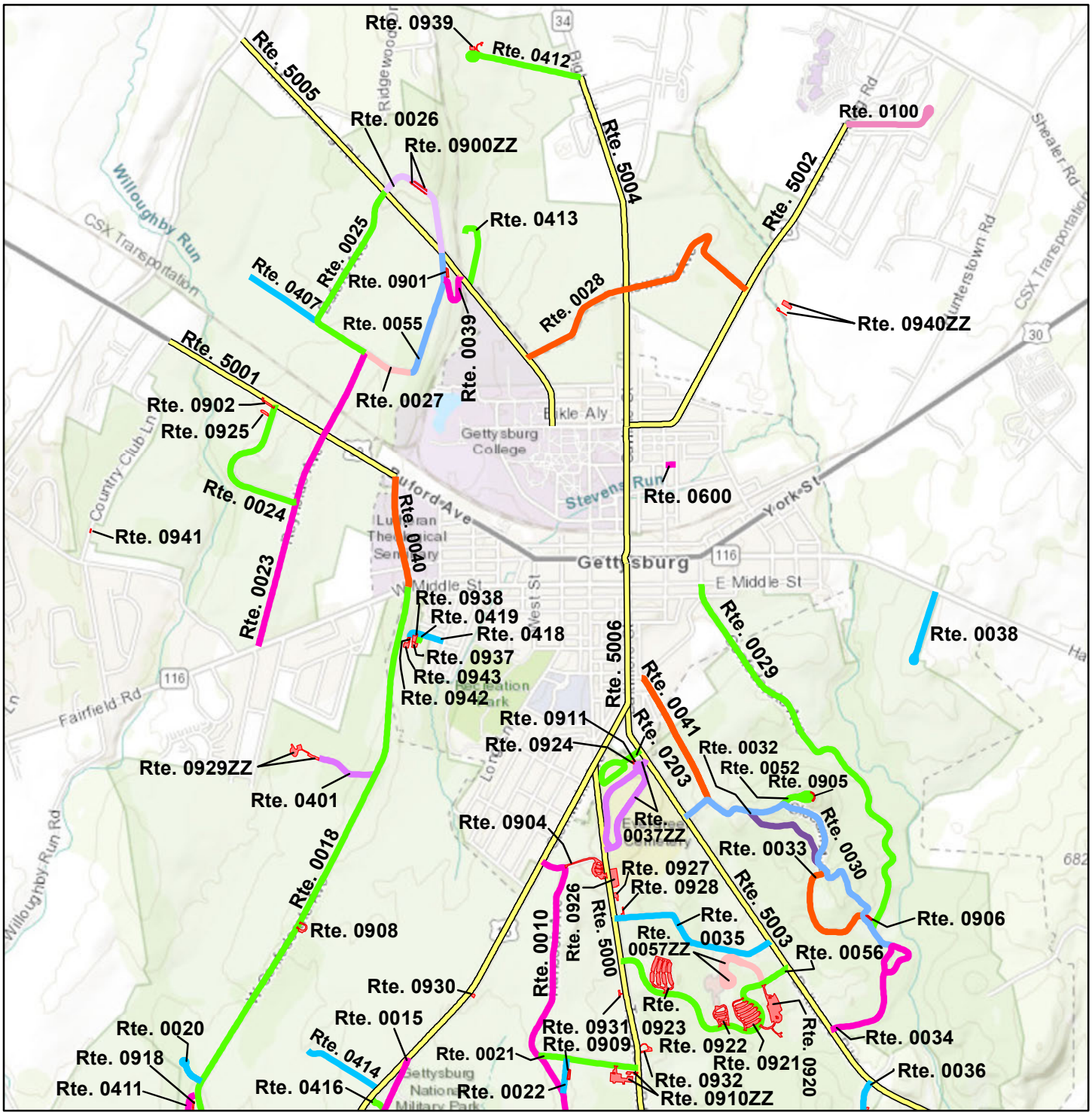
0 1 2

N

Gettysburg National Military 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

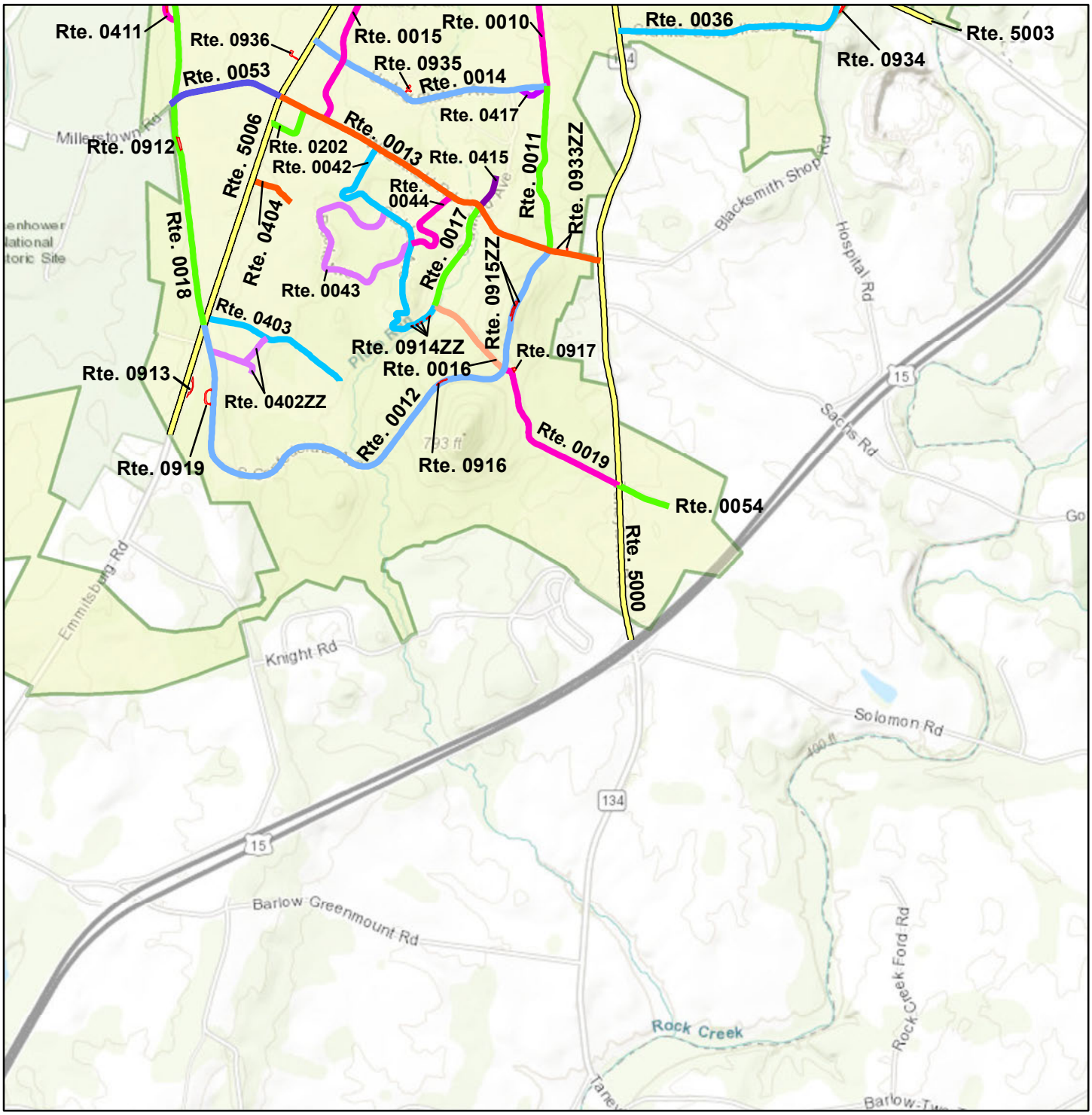
0 1 2

N

Gettysburg National Military 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

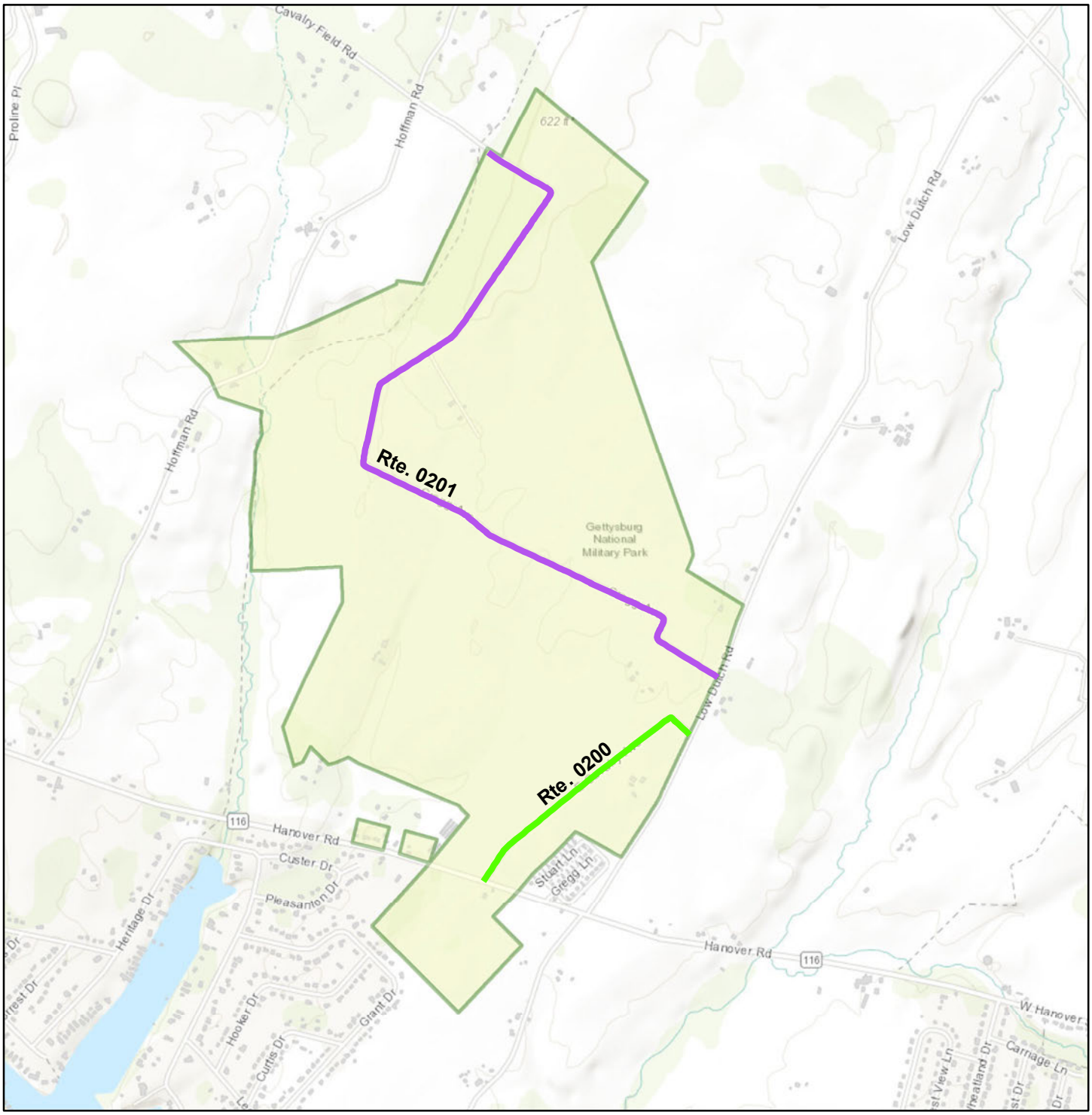
0 1 2

N

Gettysburg National Military 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

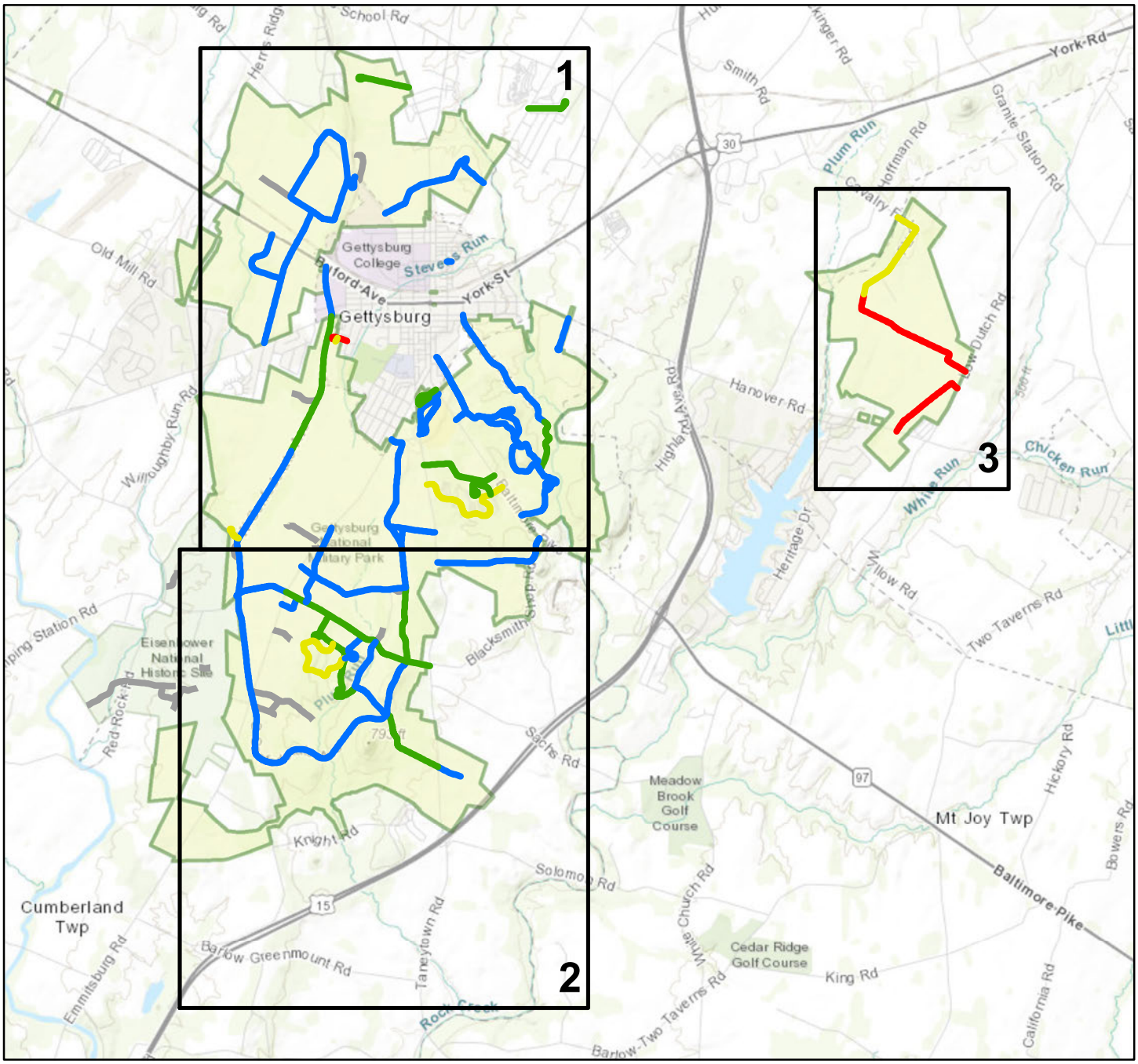
Miles

0 0.5 1

N

Gettysburg National Military Park

ROUTE CONDITION MAP
PCR - MILE BY MILE
Key Map



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Miles
0 1 2

N

Gettysburg National Military Park

ROUTE CONDITION MAP
PCR - MILE BY MILE
Area Map 1

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

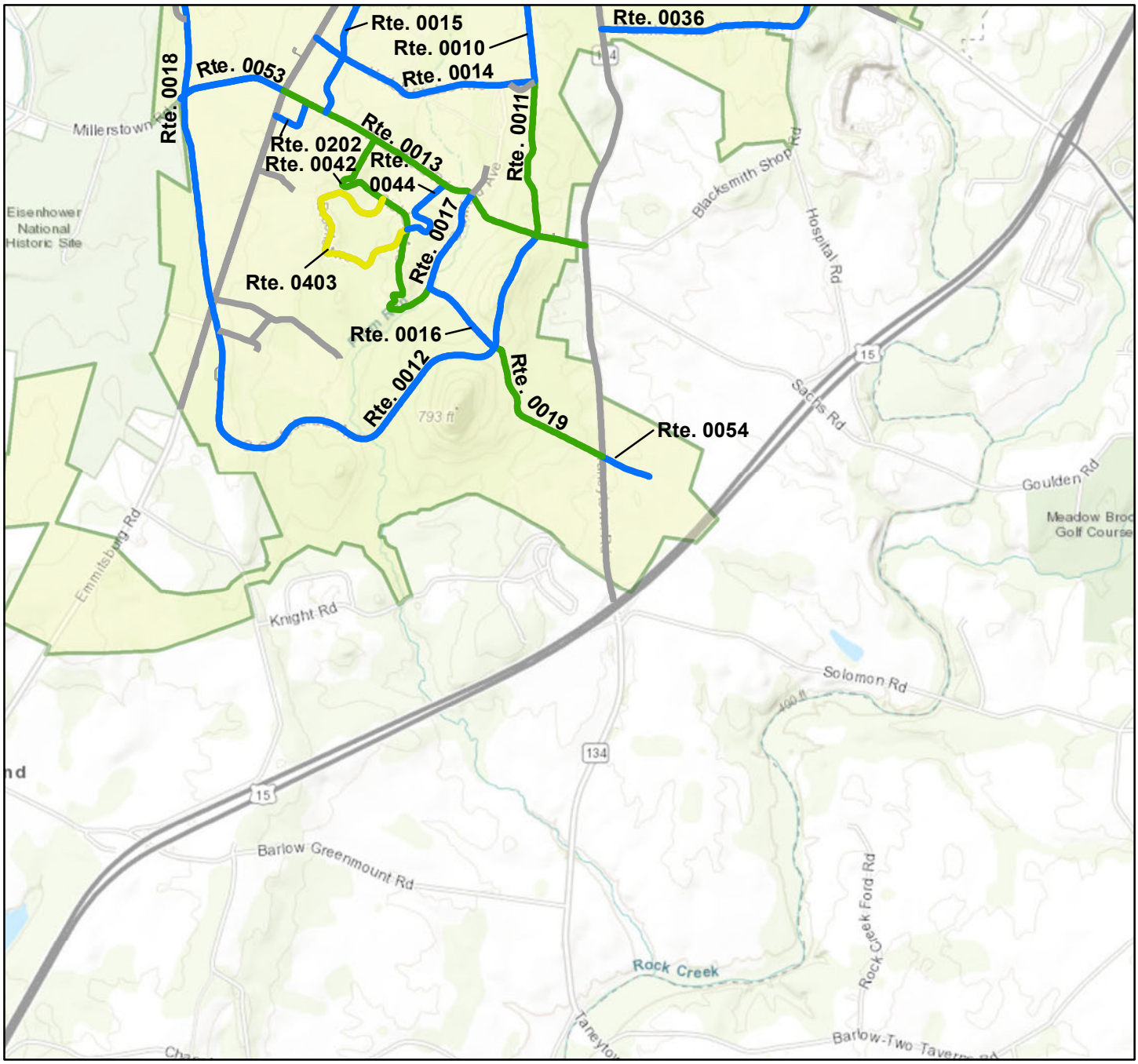
Colors on map represent condition scores at 1-mile intervals. See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 1 2

N

Gettysburg National Military Park

ROUTE CONDITION MAP
PCR - MILE BY MILE
Area Map 2



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

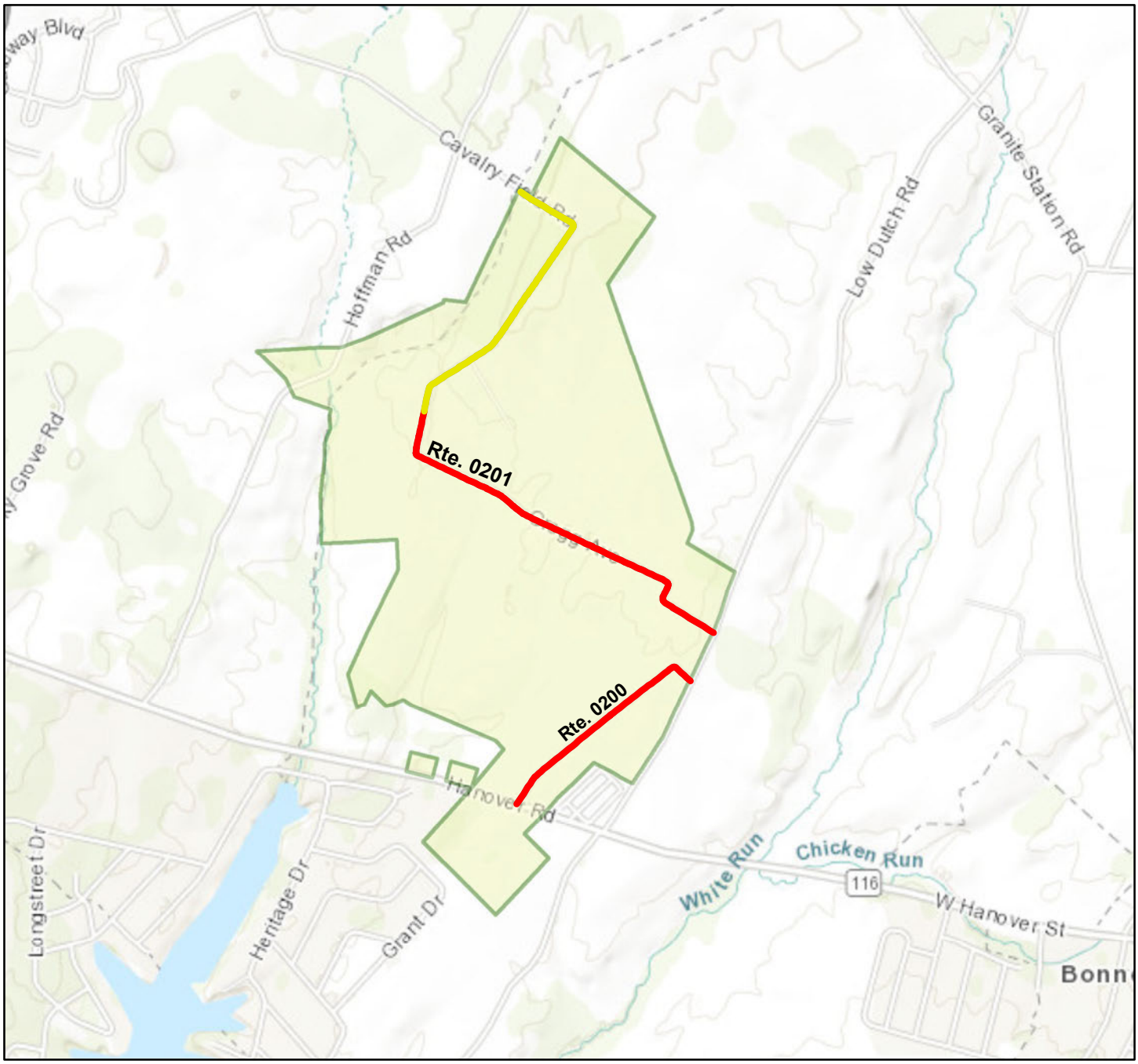
Colors on map represent condition scores at 1-mile intervals. See Appendix for definitions and formulas
Only Data Collection Vehicle and Manually Rated Roads are displayed

Miles
0 1 2

N

Gettysburg National Military Park

ROUTE CONDITION MAP
PCR - MILE BY MILE
Area Map 3



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Miles
0 0.55 1.1

N

Section 5
Paved Road Condition Rating Sheets

Gettysburg National Military Park

Federal Lands Highway
Road Inventory Program

Gettysburg National Military Park

ROUTE 0010: HANCOCK AVENUE

Data Collection Vehicle (DCV) Rating

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

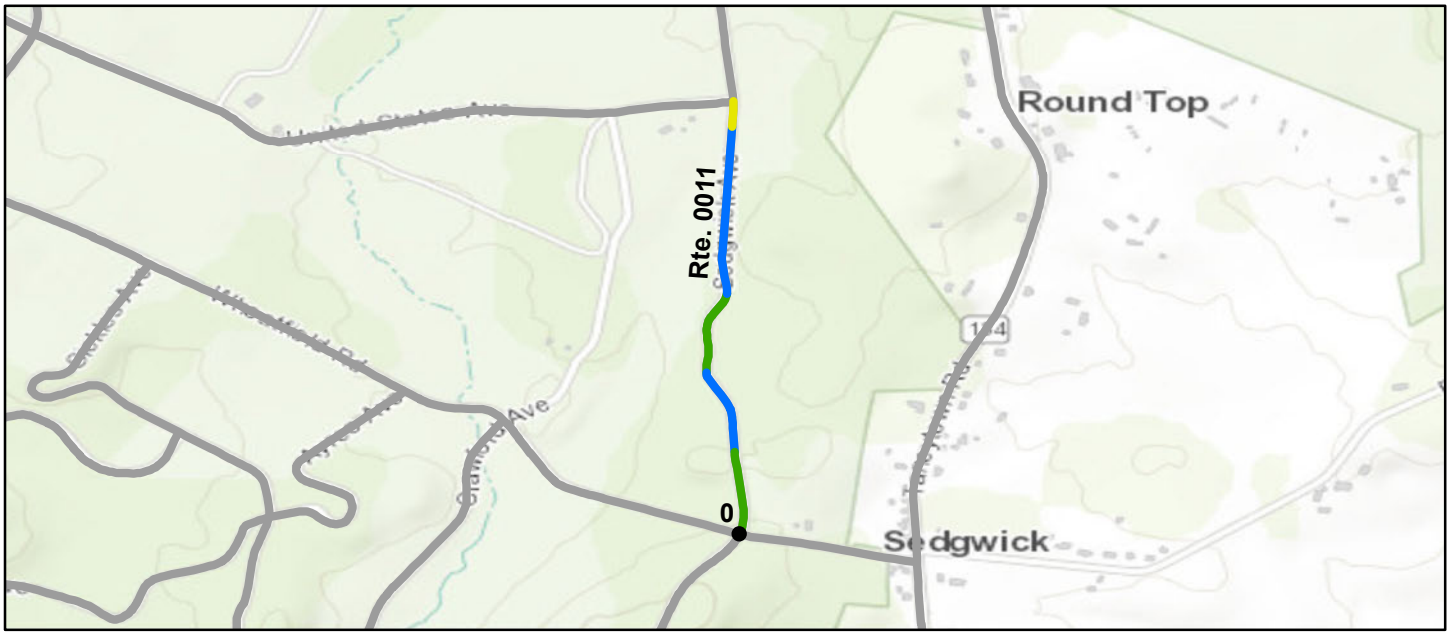
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 11/19/2020	**Beginning Section MP**	0	1			
Paved Length (Miles): 1.15	**Section Length (MI)**	1	0.15			
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	99	100	97			
Surface Condition Rating (SCR)	99	100	97			
Roughness Condition Index (RCI)	N/A	N/A	N/A			
Distress Index Values						
Structural Crack Index	100	100	100			
Alligator Crack Index	100	100	100			
Longitudinal Crack Index	100	100	100			
Transverse Cracking Index	100	100	100			
Patching Index	100	100	100			
Rutting Index	99	100	97			
International Roughness Index (IRI)	N/A	N/A	N/A			
Lane & Width Information						
Number of Lanes	1	1	2			
Paved Width (ft)	26.8	26.6	28.7			
Lane Width (ft)	25.4	26.6	17.6			

Gettysburg National Military Park

ROUTE 0011: SEDGWICK AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

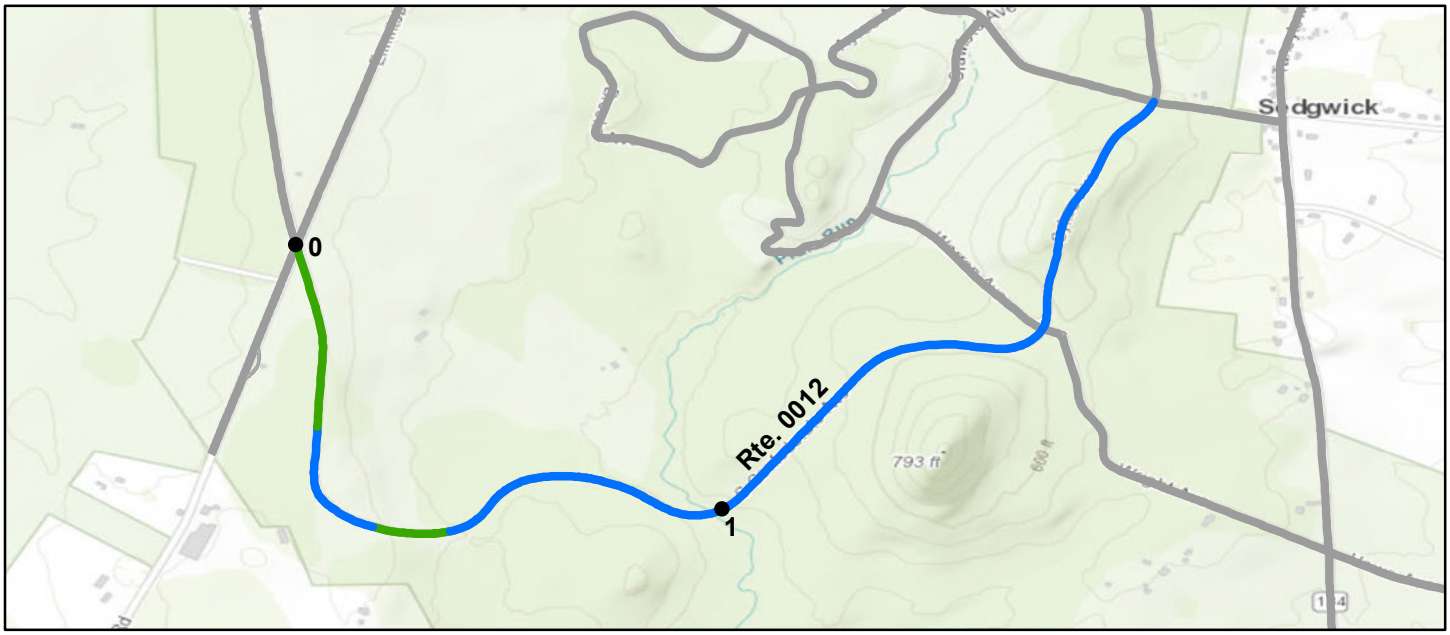
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.53	**Section Length (MI)**	0.53				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	91	91				
Surface Condition Rating (SCR)	99	99				
Roughness Condition Index (RCI)	80	80				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	170	170				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	18.6	18.6				
Lane Width (ft)	18.6	18.6				

Gettysburg National Military Park

ROUTE 0012: SOUTH CONFEDERATE-SYKES AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/19/2020	**Beginning Section MP**	0	1			
Paved Length (Miles): 1.96	**Section Length (MI)**	1	0.96			
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	98	96	99			
Surface Condition Rating (SCR)	98	97	99			
Roughness Condition Index (RCI)	99	95	100			
Distress Index Values						
Structural Crack Index	100	99	100			
Alligator Crack Index	100	100	100			
Longitudinal Crack Index	100	99	100			
Transverse Cracking Index	98	97	100			
Patching Index	100	100	100			
Rutting Index	99	99	99			
International Roughness Index (IRI)	117	127	105			
Lane & Width Information						
Number of Lanes	1	1	1			
Paved Width (ft)	18.6	18.9	18.3			
Lane Width (ft)	17.3	16.5	18.3			

Gettysburg National Military Park

ROUTE 0013: WHEATFIELD ROAD

Data Collection Vehicle (DCV) Rating

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

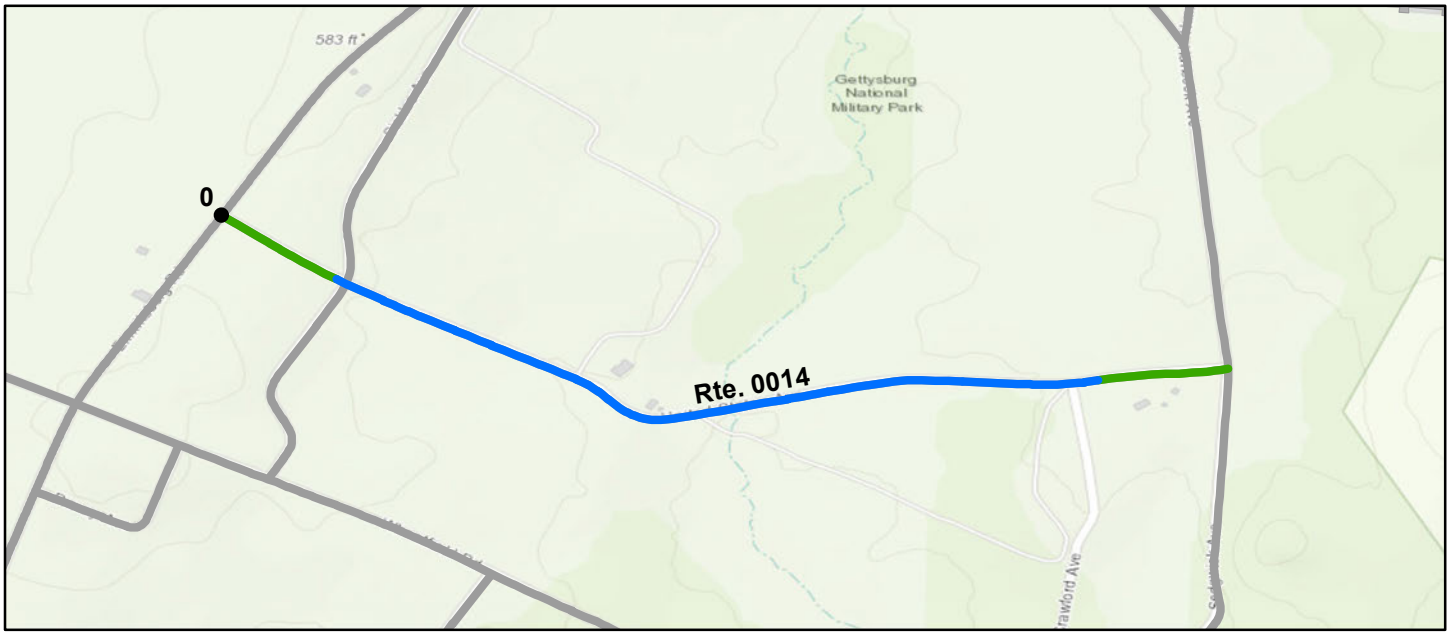
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 11/20/2020	**Beginning Section MP**	0	1			
Paved Length (Miles): 1.16	**Section Length (MI)**	1	0.16			
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	94	94	92			
Surface Condition Rating (SCR)	96	96	95			
Roughness Condition Index (RCI)	92	92	88			
Distress Index Values						
Structural Crack Index	96	96	95			
Alligator Crack Index	100	100	100			
Longitudinal Crack Index	96	96	95			
Transverse Cracking Index	100	100	100			
Patching Index	100	100	100			
Rutting Index	99	99	99			
International Roughness Index (IRI)	135	134	145			
Lane & Width Information						
Number of Lanes	2	2	2			
Paved Width (ft)	19.1	18.9	20.4			
Lane Width (ft)	9.6	9.5	10.2			

Gettysburg National Military Park

ROUTE 0014: UNITED STATES AVENUE

Data Collection Vehicle (DCV) Rating



Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.79	**Section Length (MI)**	0.79				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	100	100				
Surface Condition Rating (SCR)	100	100				
Roughness Condition Index (RCI)	100	100				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	100	100				
International Roughness Index (IRI)	115	115				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	18.3	18.3				
Lane Width (ft)	18.3	18.3				

Gettysburg National Military Park

ROUTE 0015: NORTH SICKLES AVENUE

Data Collection Vehicle (DCV) Rating

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.56	**Section Length (MI)**	0.56				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	99	99				
Surface Condition Rating (SCR)	99	99				
Roughness Condition Index (RCI)	100	100				
Distress Index Values						
Structural Crack Index	99	99				
Alligator Crack Index	100	100				
Longitudinal Crack Index	99	99				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	100	100				
International Roughness Index (IRI)	115	115				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	17	17				
Lane Width (ft)	17	17				

Gettysburg National Military Park

ROUTE 0016: WARREN AVENUE

Data Collection Vehicle (DCV) Rating

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.3	**Section Length (MI)**	0.3				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	97	97				
Surface Condition Rating (SCR)	97	97				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	17.4	17.4				
Lane Width (ft)	8.6	8.6				

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ROUTE 0017: CRAWFORD AVENUE

Data Collection Vehicle (DCV) Rating

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.35	**Section Length (MI)**	0.35				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	99	99				
Surface Condition Rating (SCR)	99	99				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	99	99				
Alligator Crack Index	100	100				
Longitudinal Crack Index	99	99				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	17.6	17.6				
Lane Width (ft)	17.6	17.6				

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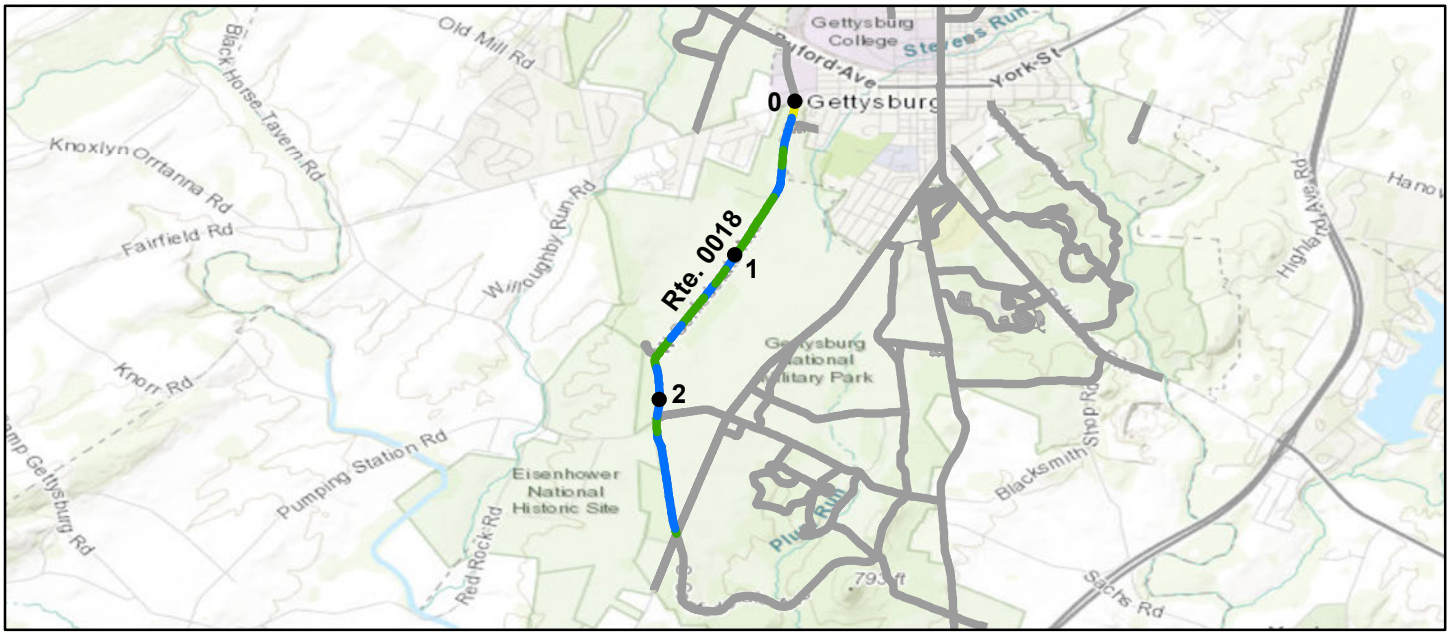
ROUTE 0018: WEST CONFEDERATE AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0	1	2		
Paved Length (Miles): 2.83	**Section Length (MI)**	1	1	0.83		
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	95	92	95	99		
Surface Condition Rating (SCR)	99	98	100	99		
Roughness Condition Index (RCI)	89	83	87	100		
Distress Index Values						
Structural Crack Index	100	100	100	100		
Alligator Crack Index	100	100	100	100		
Longitudinal Crack Index	100	100	100	100		
Transverse Cracking Index	100	100	100	100		
Patching Index	100	100	100	99		
Rutting Index	99	98	100	99		
International Roughness Index (IRI)	143	160	149	114		
Lane & Width Information						
Number of Lanes	1	1	1	1		
Paved Width (ft)	19	19.1	19.8	18.2		
Lane Width (ft)	17.4	14.4	19.8	18.2		

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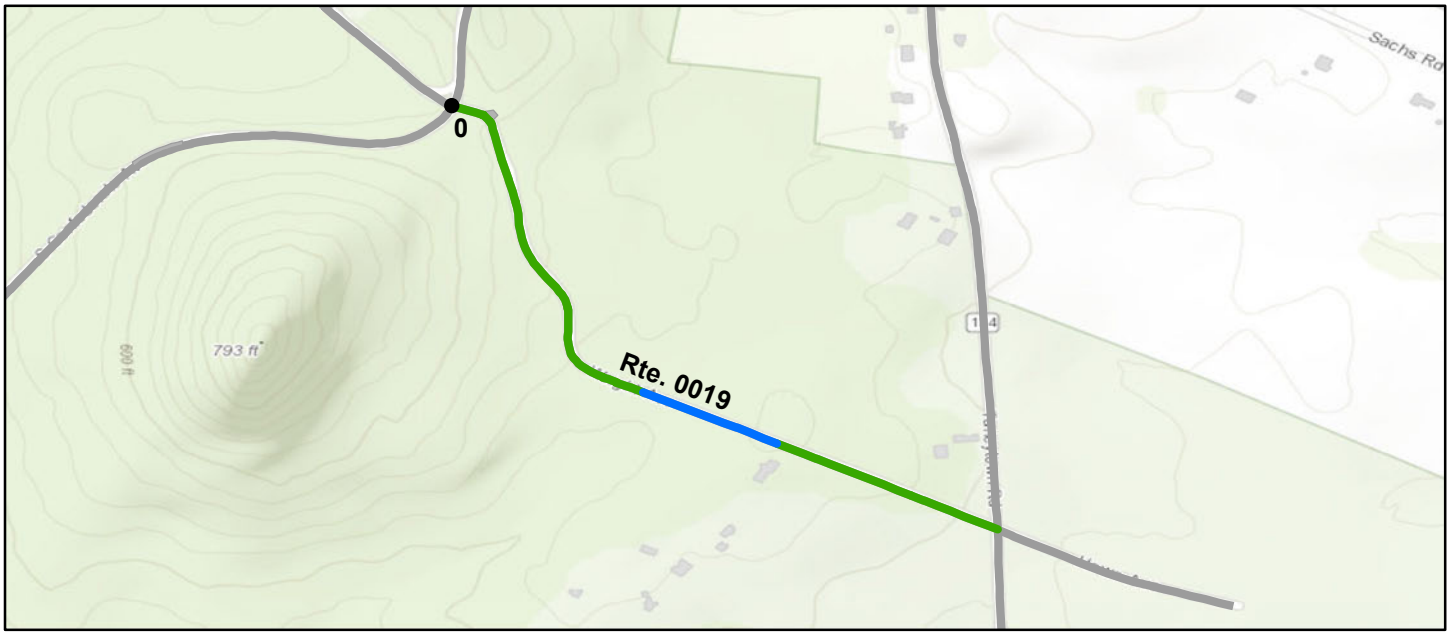
ROUTE 0019: WRIGHT AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.56	**Section Length (MI)**	0.56				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	90	90				
Surface Condition Rating (SCR)	98	98				
Roughness Condition Index (RCI)	79	79				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	98	98				
International Roughness Index (IRI)	171	171				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	14.3	14.3				
Lane Width (ft)	7.1	7.1				

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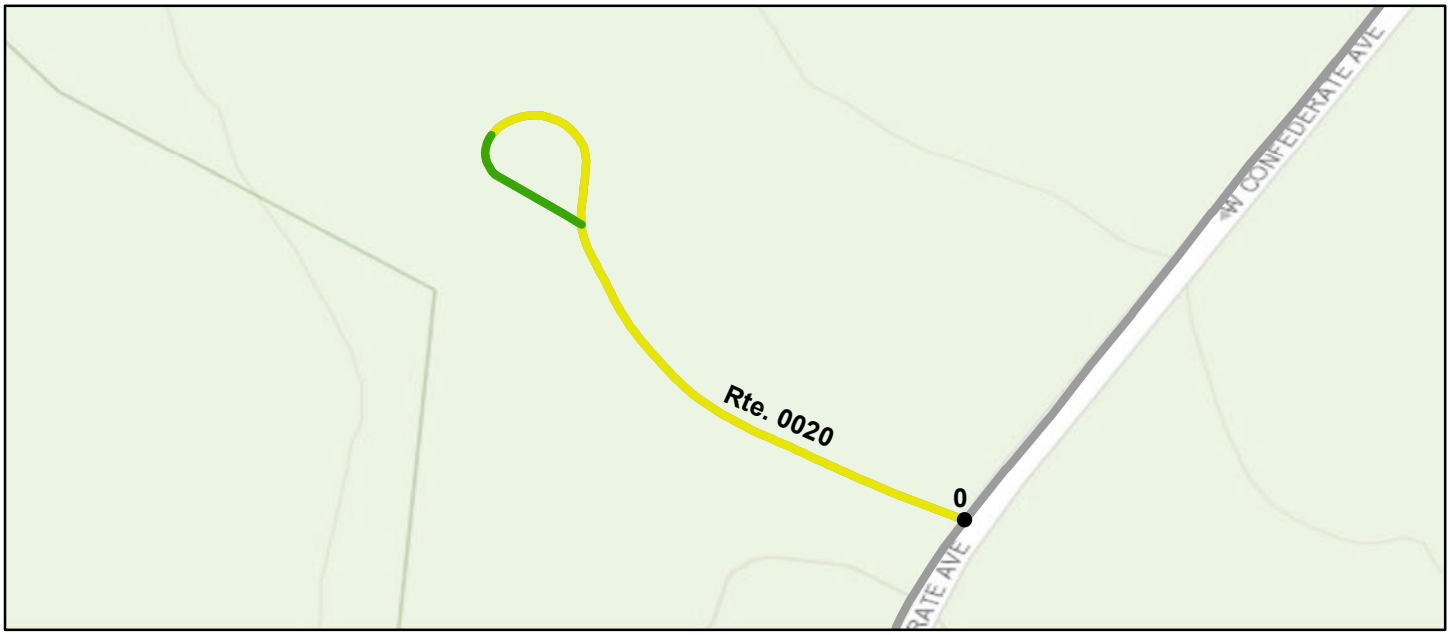
ROUTE 0020: BERDAN AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.12	**Section Length (MI)**	0.12				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	84	84				
Surface Condition Rating (SCR)	84	84				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	84	84				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	9.6	9.6				
Lane Width (ft)	9.6	9.6				

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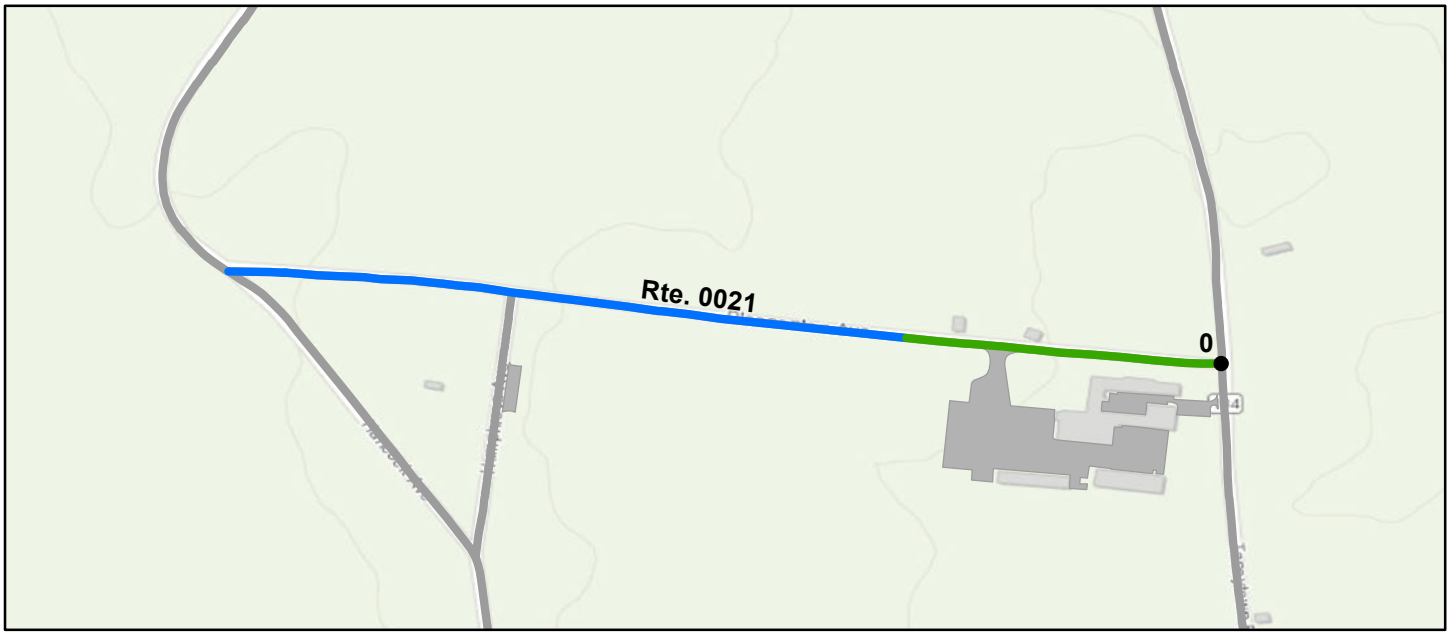
ROUTE 0021: PLEASONTON AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.31	**Section Length (MI)**	0.31				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	95	95				
Surface Condition Rating (SCR)	95	95				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	95	95				
Patching Index	100	100				
Rutting Index	100	100				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	16.7	16.7				
Lane Width (ft)	8.3	8.3				

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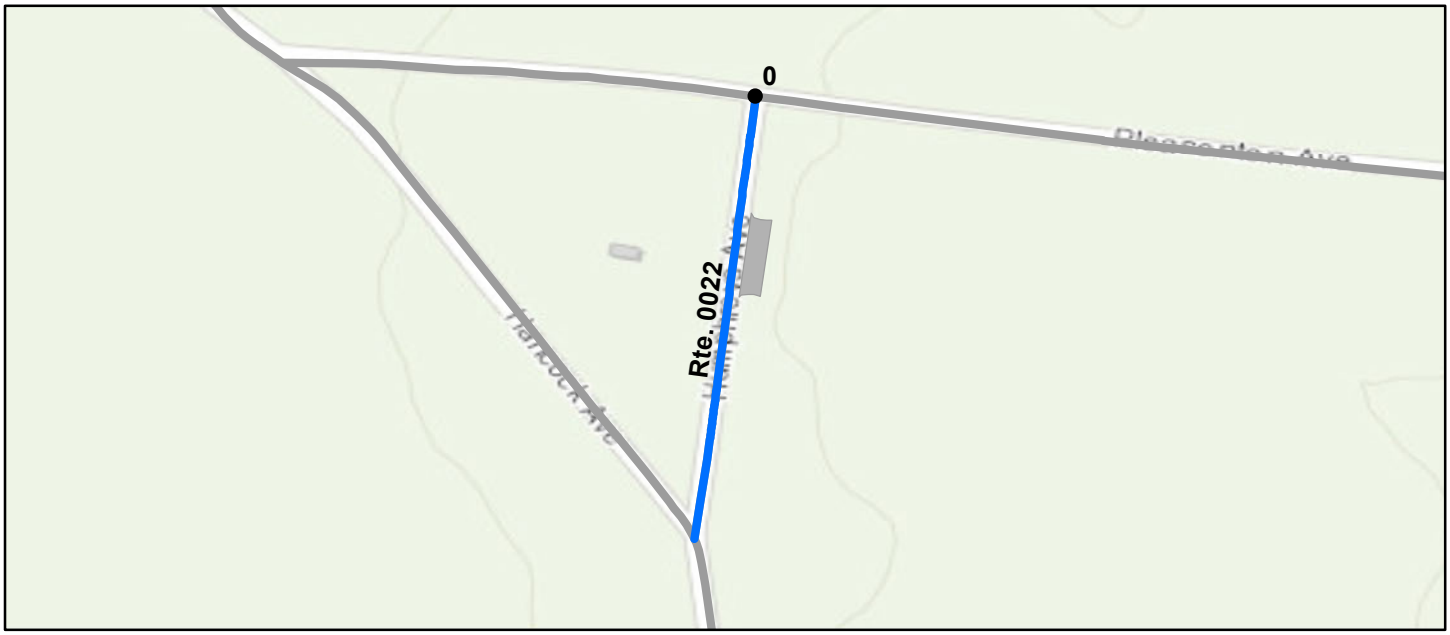
ROUTE 0022: HUMPHREYS AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.1	**Section Length (MI)**	0.1				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	100	100				
Surface Condition Rating (SCR)	100	100				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	100	100				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	18.7	18.7				
Lane Width (ft)	9.3	9.3				

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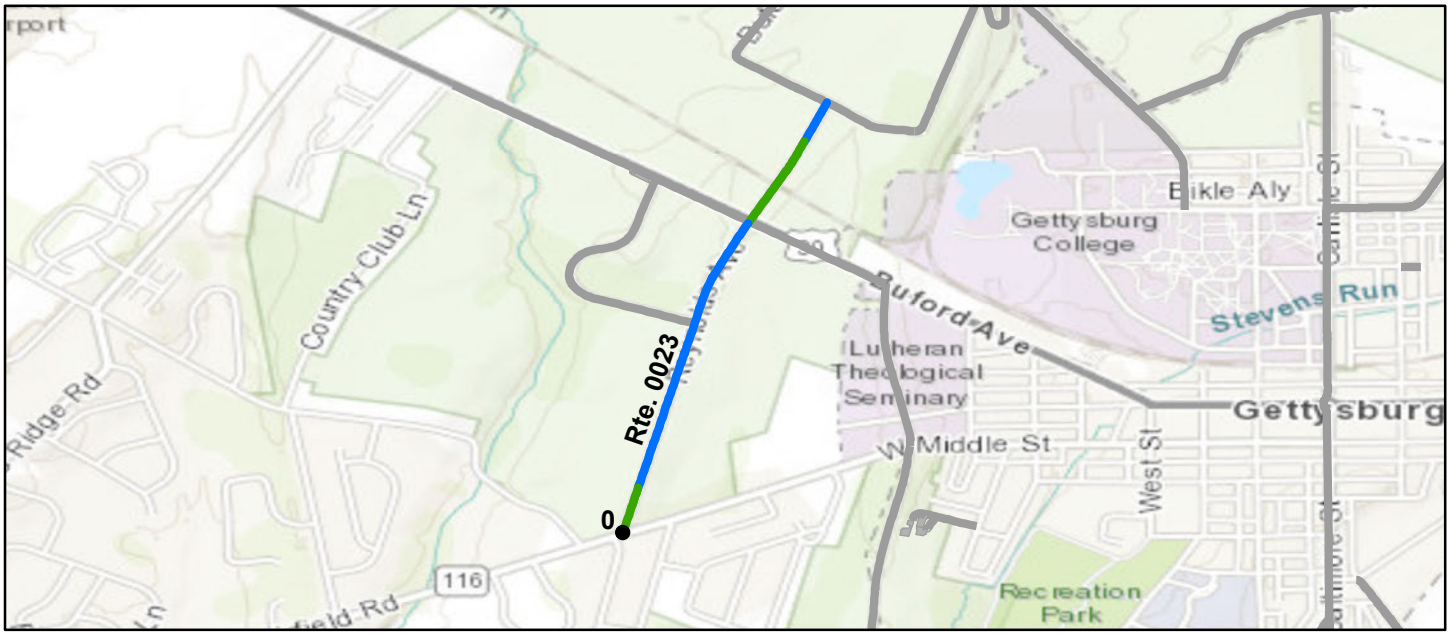
ROUTE 0023: REYNOLDS AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.99	**Section Length (MI)**	0.99				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	98	98				
Surface Condition Rating (SCR)	97	97				
Roughness Condition Index (RCI)	100	100				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	97	97				
Patching Index	100	100				
Rutting Index	100	100				
International Roughness Index (IRI)	102	102				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	18.9	18.9				
Lane Width (ft)	16.1	16.1				

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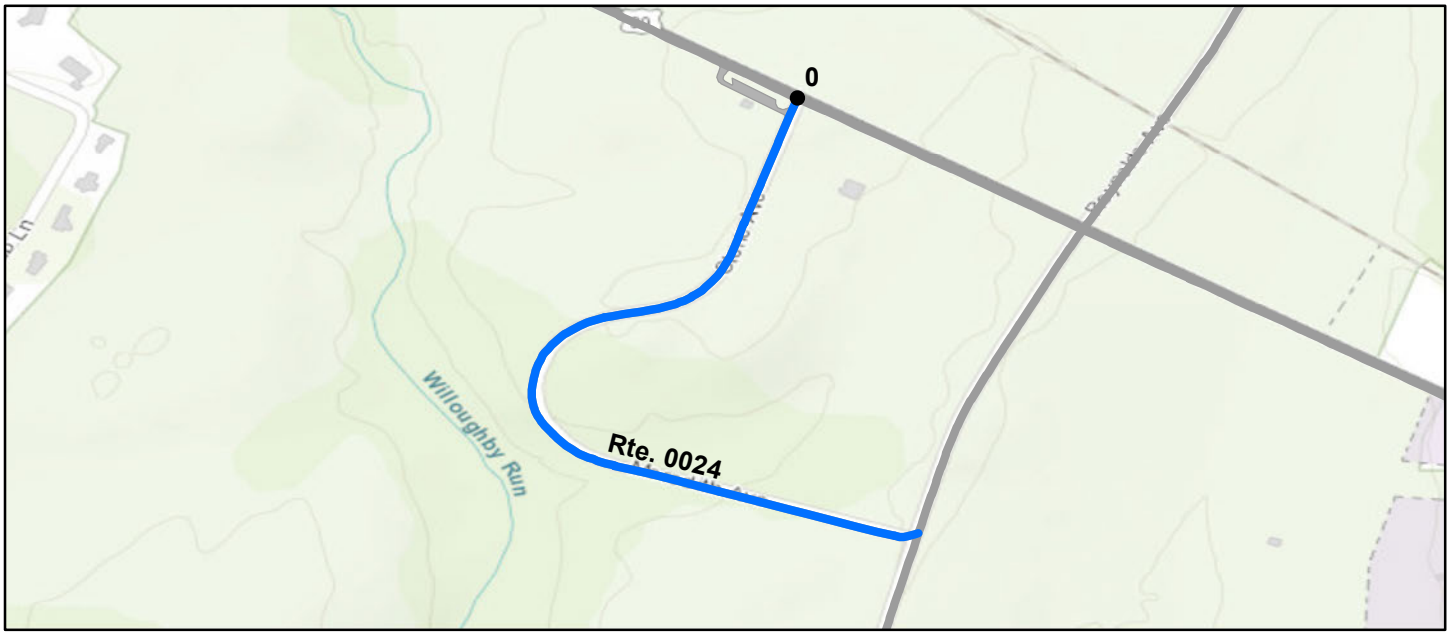
ROUTE 0024: STONE-MEREDITH AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.51	**Section Length (MI)**	0.51				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	99	99				
Surface Condition Rating (SCR)	99	99				
Roughness Condition Index (RCI)	100	100				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	105	105				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	19.1	19.1				
Lane Width (ft)	19.1	19.1				

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ROUTE 0025: BUFORD AVENUE

Data Collection Vehicle (DCV) Rating

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.64	**Section Length (MI)**	0.64				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	97	97				
Surface Condition Rating (SCR)	99	99				
Roughness Condition Index (RCI)	94	94				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	129	129				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	16.2	16.2				
Lane Width (ft)	16.2	16.2				

Gettysburg National Military Park

ROUTE 0026: NORTH CONFEDERATE AVENUE

Data Collection Vehicle (DCV) Rating

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

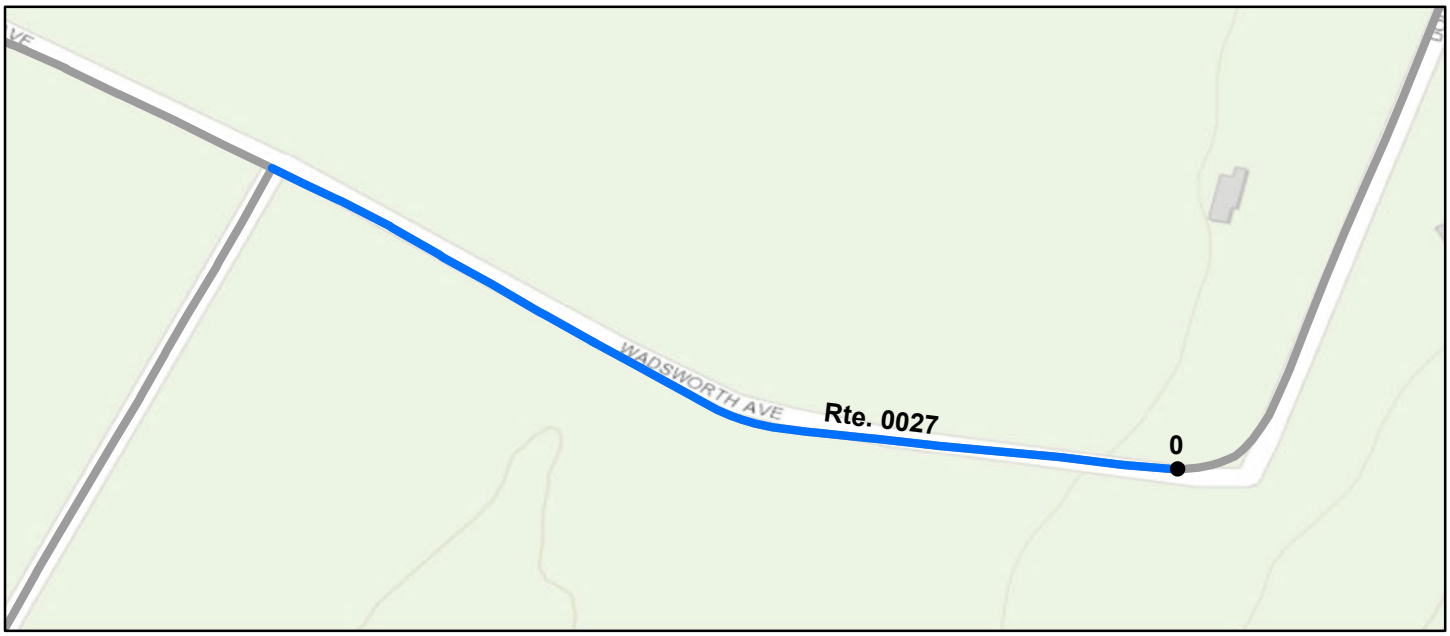
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.36	**Section Length (MI)**	0.36				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	99	99				
Surface Condition Rating (SCR)	99	99				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	17.9	17.9				
Lane Width (ft)	17.9	17.9				

Gettysburg National Military Park

ROUTE 0027: WADSWORTH AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.16	**Section Length (MI)**	0.16				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	100	100				
Surface Condition Rating (SCR)	100	100				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	100	100				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	18.5	18.5				
Lane Width (ft)	9.2	9.2				

Gettysburg National Military Park

ROUTE 0028: HOWARD AVENUE

Data Collection Vehicle (DCV) Rating

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.96	**Section Length (MI)**	0.96				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	99	99				
Surface Condition Rating (SCR)	99	99				
Roughness Condition Index (RCI)	99	99				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	117	117				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	19.7	19.7				
Lane Width (ft)	15.7	15.7				

Gettysburg National Military Park

ROUTE 0029: EAST CONFEDERATE AVENUE

Data Collection Vehicle (DCV) Rating

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

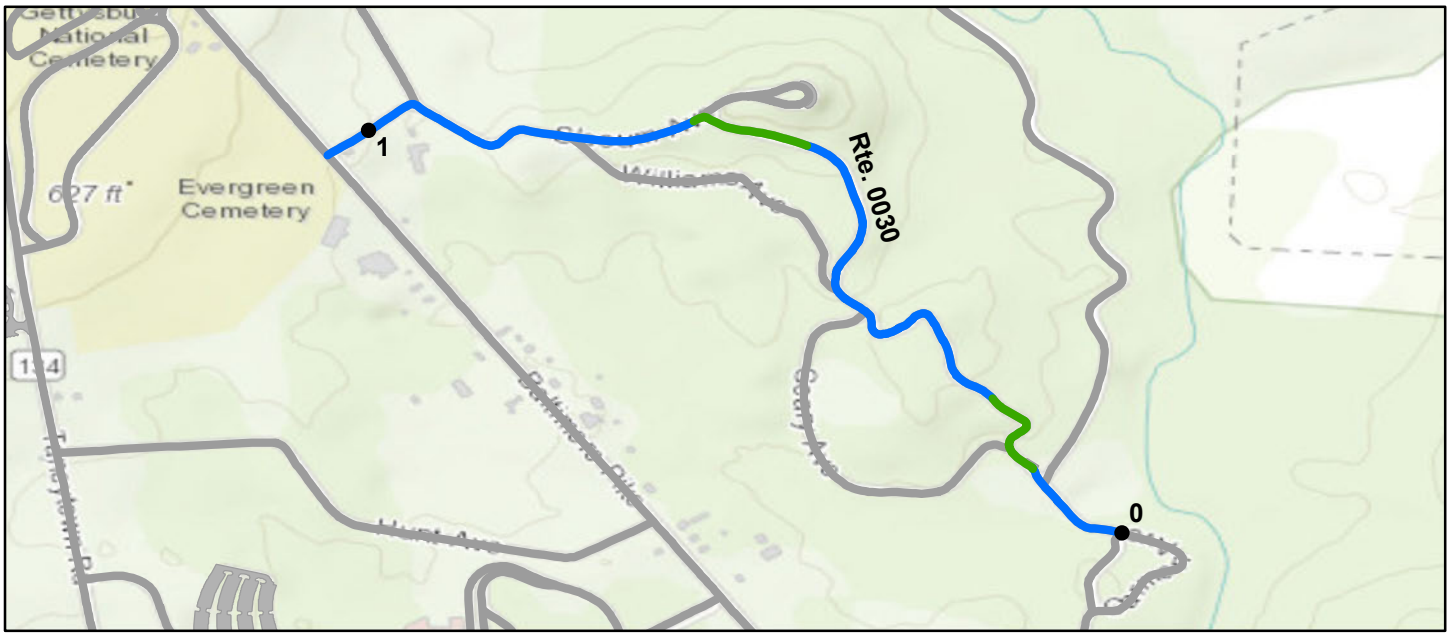
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 11/19/2020	**Beginning Section MP**	0	1			
Paved Length (Miles): 1.38	**Section Length (MI)**	1	0.38			
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	95	97	89			
Surface Condition Rating (SCR)	99	99	98			
Roughness Condition Index (RCI)	89	95	76			
Distress Index Values						
Structural Crack Index	100	100	100			
Alligator Crack Index	100	100	100			
Longitudinal Crack Index	100	100	100			
Transverse Cracking Index	99	99	100			
Patching Index	100	100	100			
Rutting Index	99	100	98			
International Roughness Index (IRI)	142	127	183			
Lane & Width Information						
Number of Lanes	1	1	1			
Paved Width (ft)	18.8	19	18.4			
Lane Width (ft)	18.8	19	18.4			

Gettysburg National Military Park

ROUTE 0030: SLOCUM AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

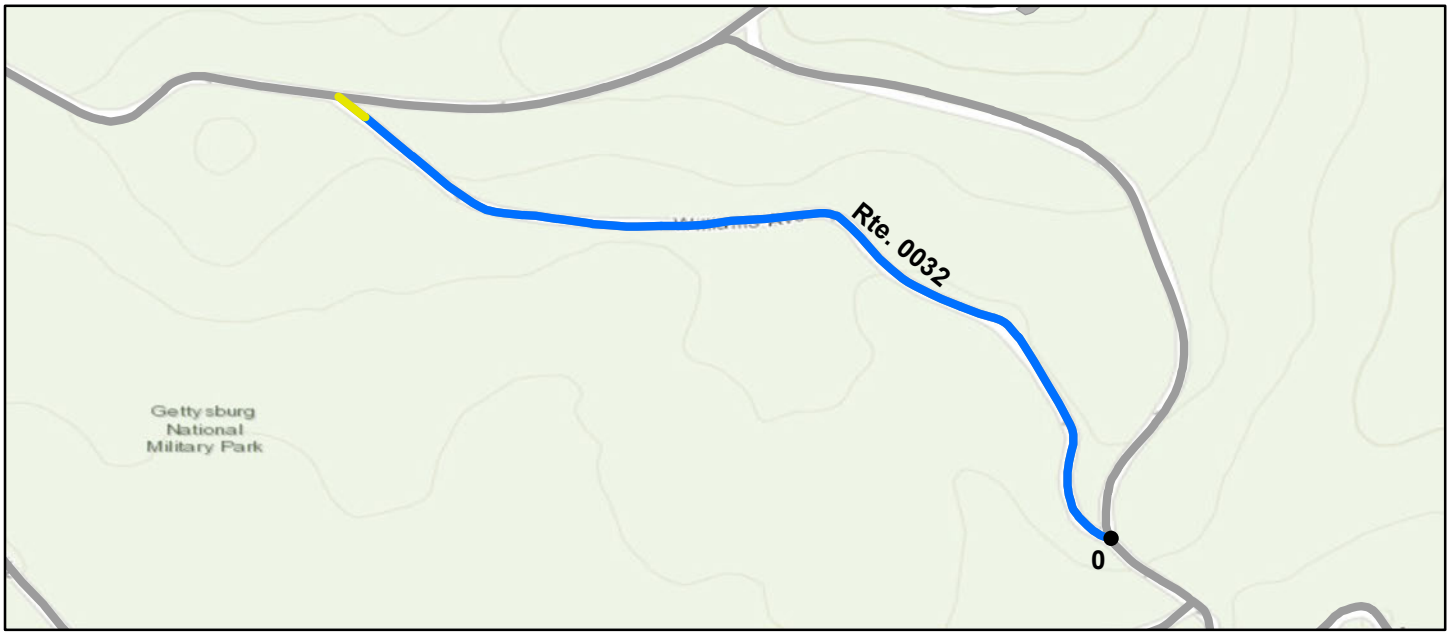
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 11/19/2020	**Beginning Section MP**	0	1			
Paved Length (Miles): 1.04	**Section Length (MI)**	1	0.04			
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	97	97	97			
Surface Condition Rating (SCR)	97	97	97			
Roughness Condition Index (RCI)	N/A	N/A	N/A			
Distress Index Values						
Structural Crack Index	100	100	100			
Alligator Crack Index	100	100	100			
Longitudinal Crack Index	100	100	100			
Transverse Cracking Index	100	100	99			
Patching Index	100	100	100			
Rutting Index	97	97	97			
International Roughness Index (IRI)	N/A	N/A	N/A			
Lane & Width Information						
Number of Lanes	1	1	1			
Paved Width (ft)	16.5	16.5	16.7			
Lane Width (ft)	16.5	16.5	16.7			

Gettysburg National Military Park

ROUTE 0032: WILLIAMS AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.31	**Section Length (MI)**	0.31				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	96	96				
Surface Condition Rating (SCR)	96	96				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	96	96				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	9.8	9.8				
Lane Width (ft)	9.8	9.8				

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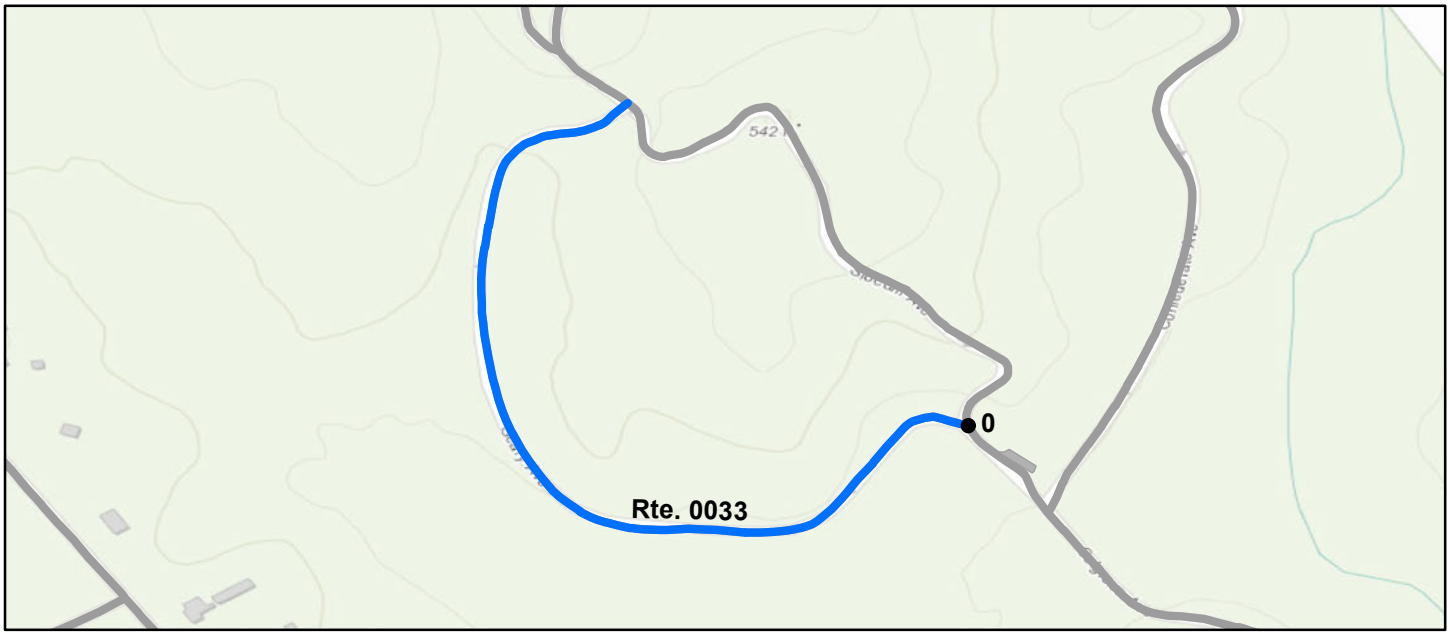
ROUTE 0033: GEARY AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.38	**Section Length (MI)**	0.38				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	97	97				
Surface Condition Rating (SCR)	97	97				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	15.7	15.7				
Lane Width (ft)	15.7	15.7				

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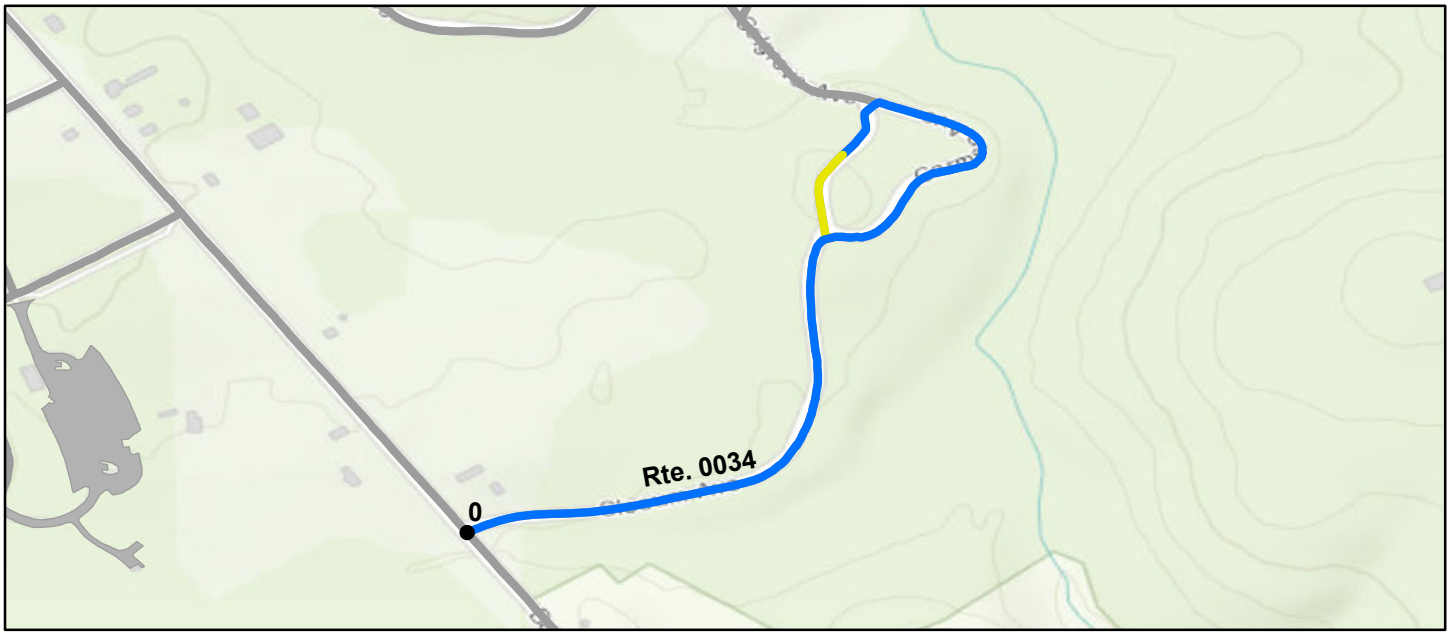
ROUTE 0034: COLGROVE-CARMAN AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.55	**Section Length (MI)**	0.55				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	96	96				
Surface Condition Rating (SCR)	96	96				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	96	96				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	15.6	15.6				
Lane Width (ft)	15.6	15.6				

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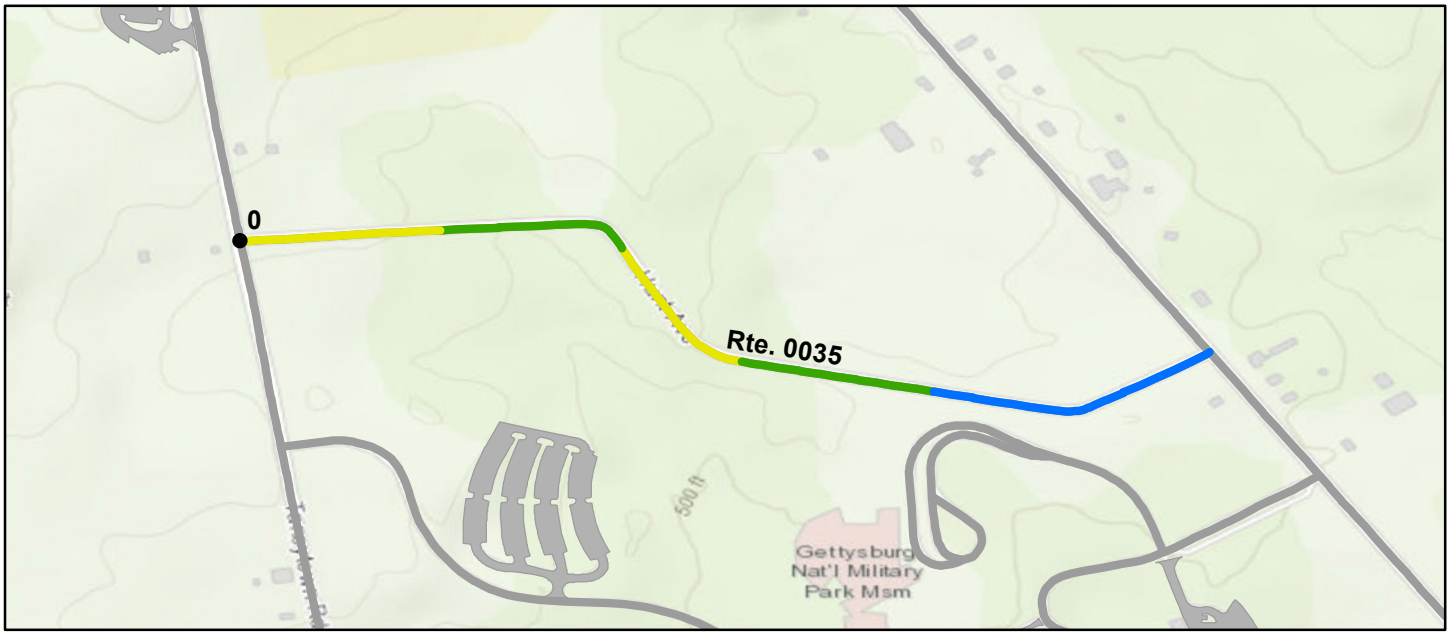
ROUTE 0035: HUNT AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.54	**Section Length (MI)**	0.54				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	88	88				
Surface Condition Rating (SCR)	95	95				
Roughness Condition Index (RCI)	78	78				
Distress Index Values						
Structural Crack Index	95	95				
Alligator Crack Index	97	97				
Longitudinal Crack Index	98	98				
Transverse Cracking Index	97	97				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	174	174				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	16.1	16.1				
Lane Width (ft)	8	8				

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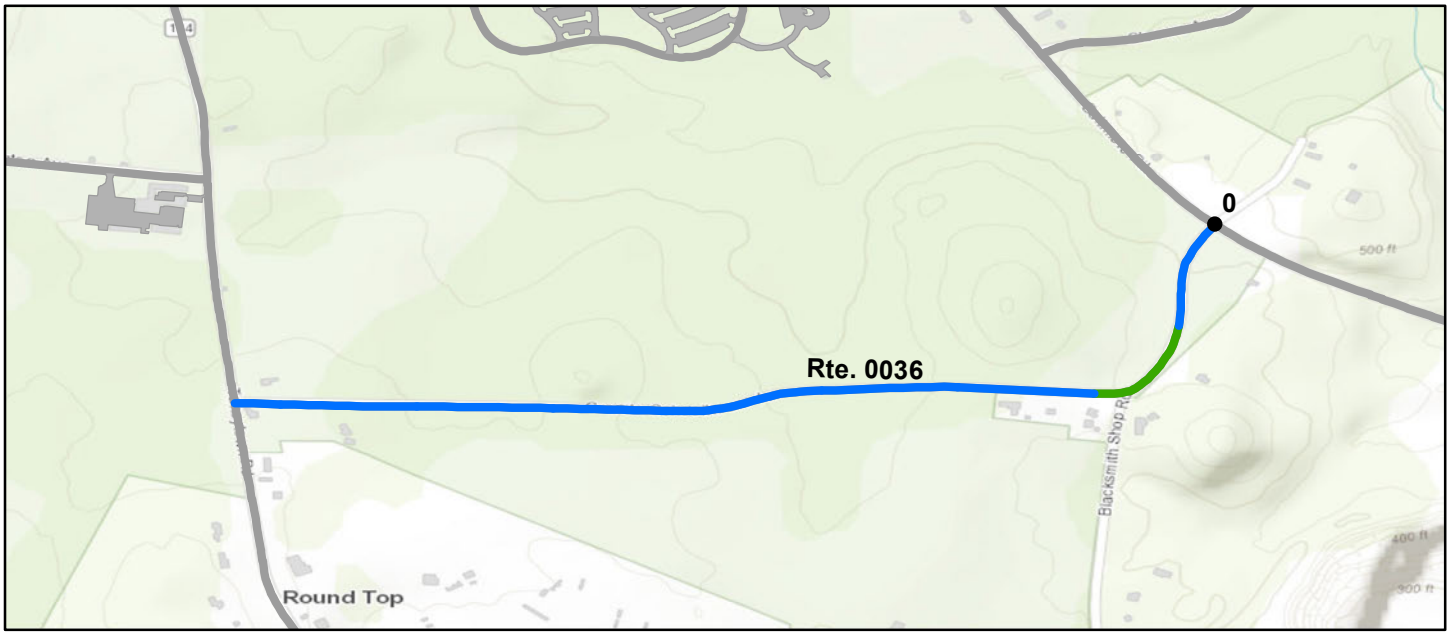
ROUTE 0036: GRANITE SCHOOL HOUSE LANE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.83	**Section Length (MI)**	0.83				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	97	97				
Surface Condition Rating (SCR)	99	99				
Roughness Condition Index (RCI)	95	95				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	100	100				
International Roughness Index (IRI)	126	126				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	16.8	16.8				
Lane Width (ft)	8.4	8.4				

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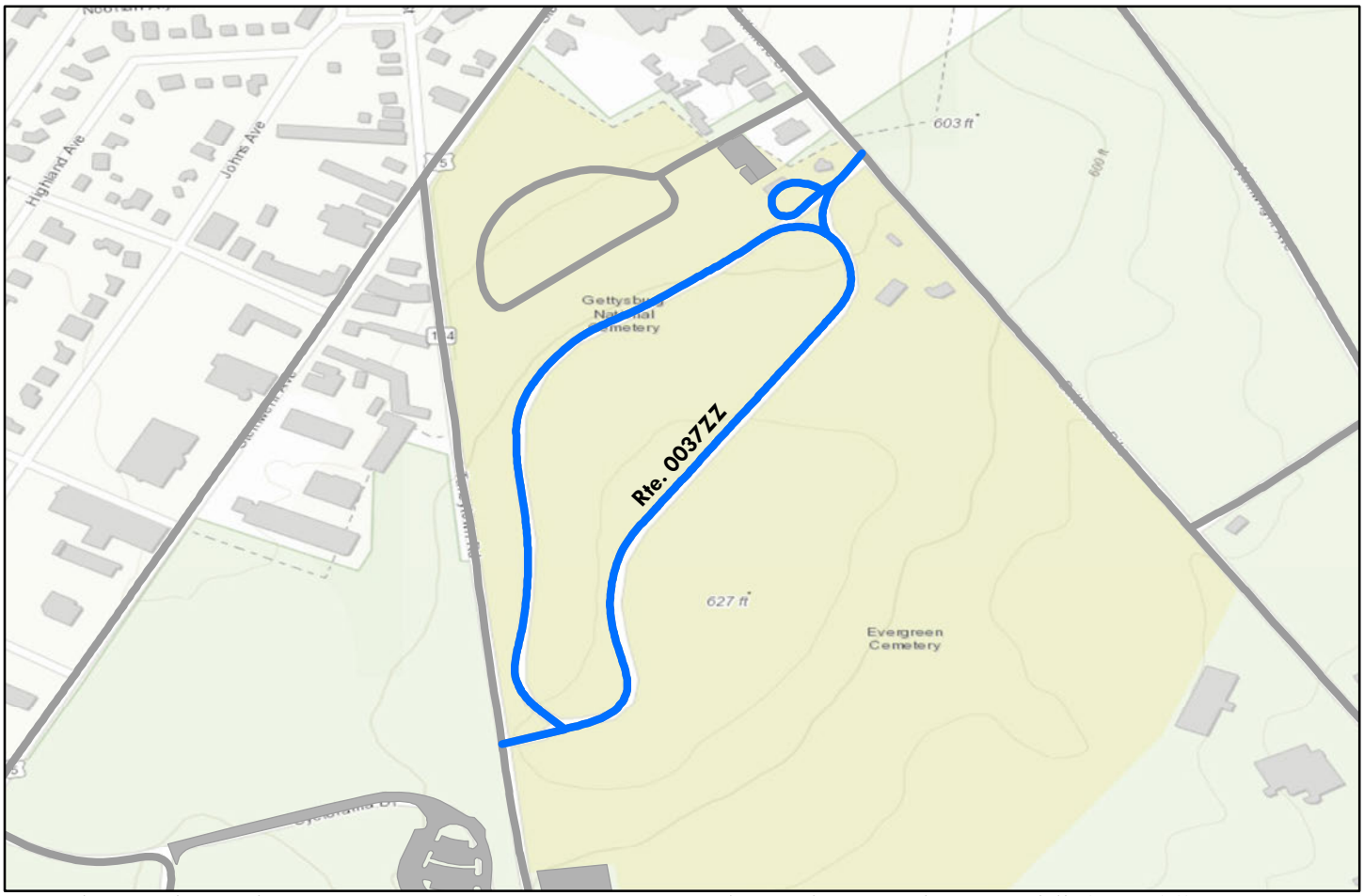
ROUTE 0037ZZ: NATIONAL CEMETERY DRIVE

Summary Route



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

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas

	Route Summary
Inspection Date: 11/20/2020	
Paved Length (Miles): 0.7	
Surface Type: ASPHALT	
Roadway Condition Information	
Pavement Condition Rating (PCR)	97
Lane & Width Information	
Number of Lanes	1
Paved Width (ft)	18.2
Lane Width (ft)	18.2

Gettysburg National Military Park

ROUTE 0037AZ: NATIONAL CEMETERY DRIVE LOOP

Subcomponent of Route GETT-0037ZZ

Data Collection Vehicle (DCV) Rating

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

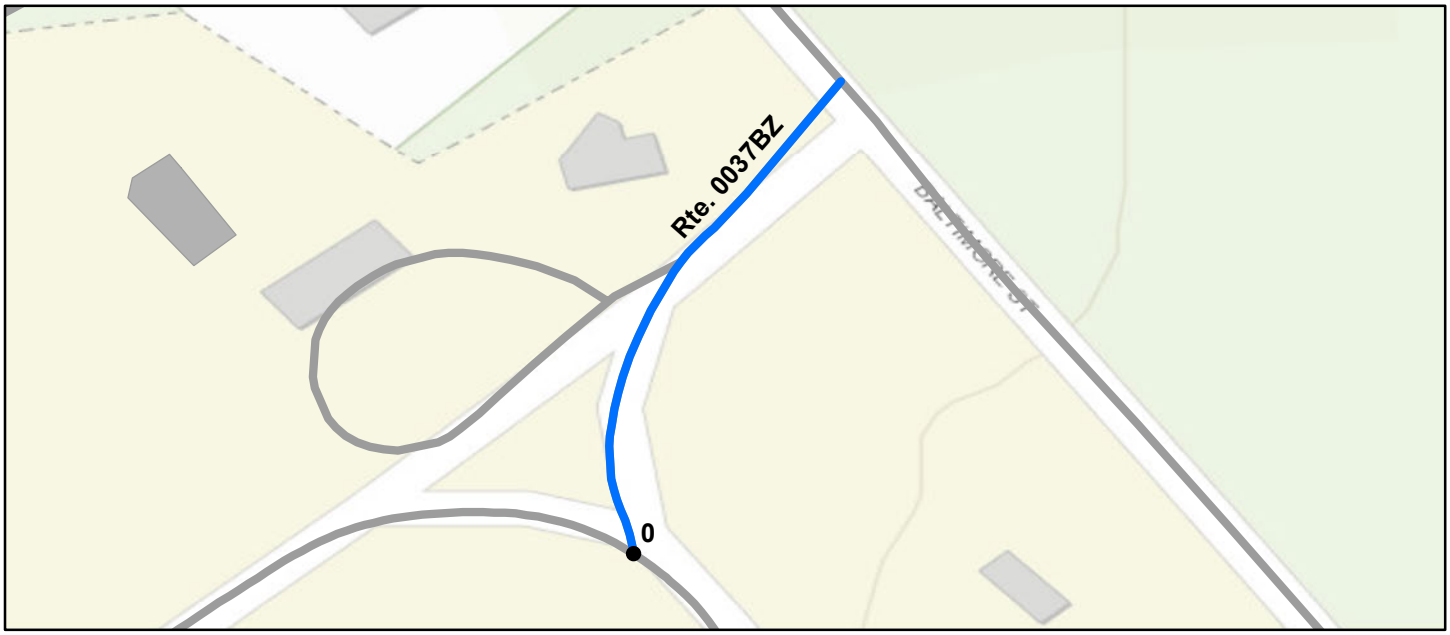
Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.61	**Section Length (MI)**	0.61				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	97	97				
Surface Condition Rating (SCR)	97	97				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	18.3	18.3				
Lane Width (ft)	18.3	18.3				

Gettysburg National Military Park

ROUTE 0037BZ: NATIONAL CEMETERY DRIVE - BALTIMORE STREET ENTRANCE

Subcomponent of Route GETT-0037ZZ

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

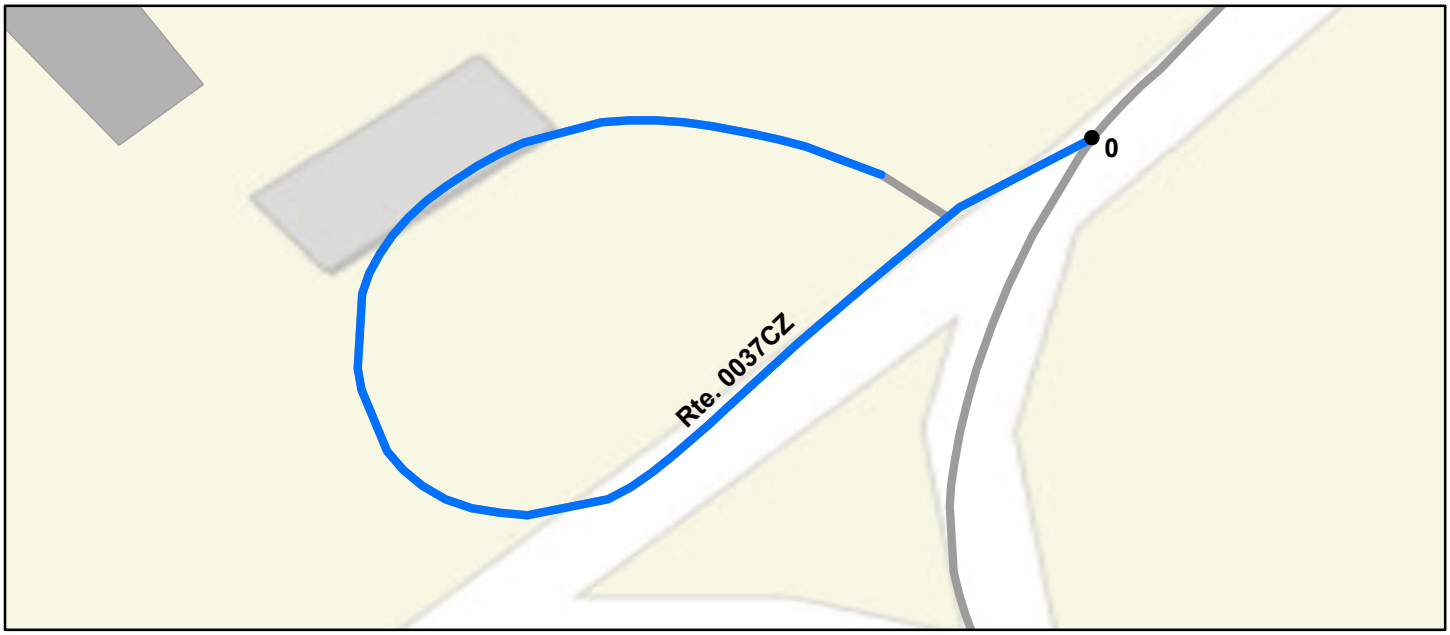
Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.03	**Section Length (MI)**	0.03				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	100	100				
Surface Condition Rating (SCR)	100	100				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	100	100				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	20.8	20.8				
Lane Width (ft)	20.8	20.8				

Gettysburg National Military Park

ROUTE 0037CZ: NATIONAL CEMETERY DRIVE - BALTIMORE SPUR

Subcomponent of Route GETT-0037ZZ

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.06	**Section Length (MI)**	0.06				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	96	96				
Surface Condition Rating (SCR)	96	96				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	96	96				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	15.5	15.5				
Lane Width (ft)	15.5	15.5				

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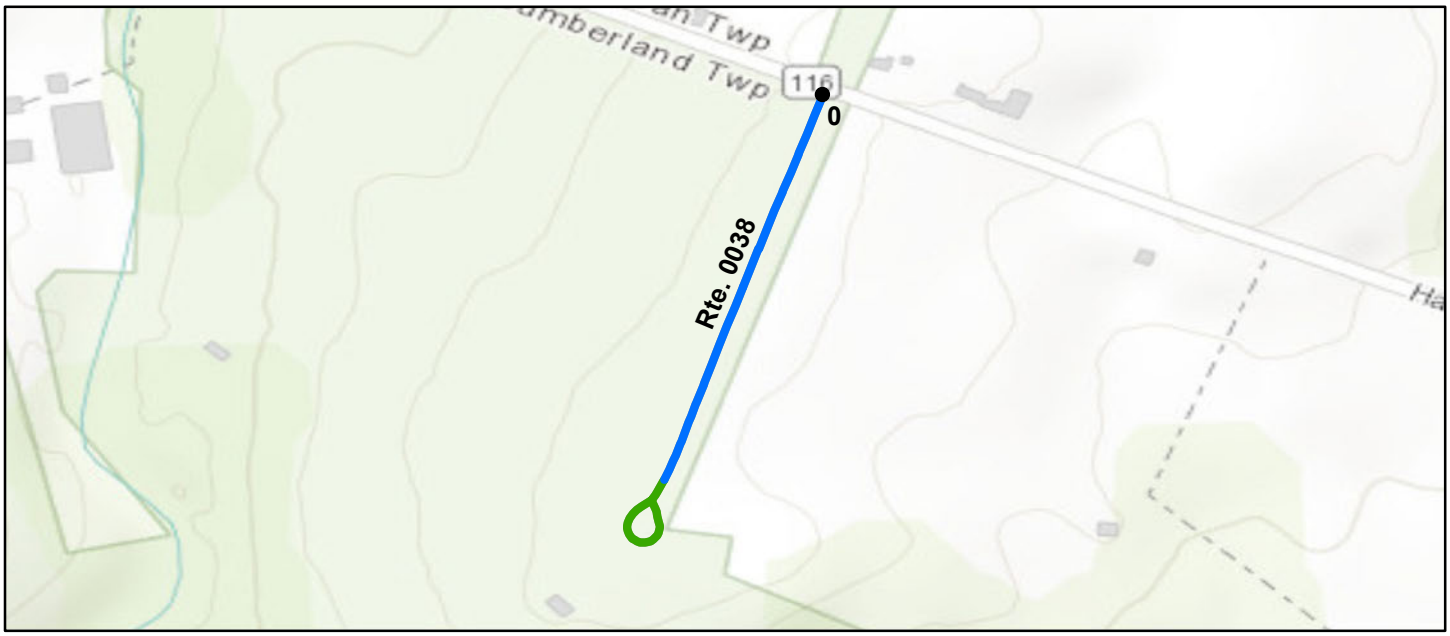
ROUTE 0038: BENNER HILL AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.25	**Section Length (MI)**	0.25				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	97	97				
Surface Condition Rating (SCR)	97	97				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	97	97				
Alligator Crack Index	100	100				
Longitudinal Crack Index	97	97				
Transverse Cracking Index	98	98				
Patching Index	100	100				
Rutting Index	100	100				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	12.1	12.1				
Lane Width (ft)	12.1	12.1				

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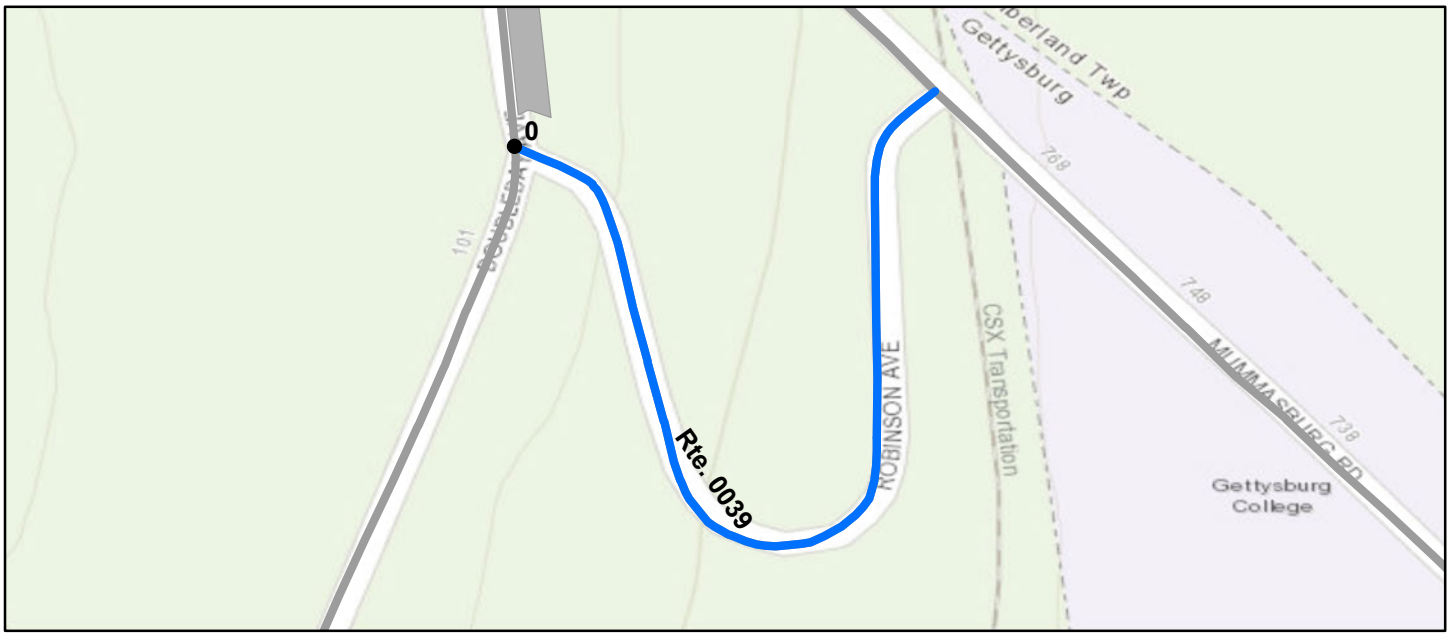
ROUTE 0039: ROBINSON AVENUE

Data Collection Vehicle (DCV) Rating



Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.16	**Section Length (MI)**	0.16				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	95	95				
Surface Condition Rating (SCR)	95	95				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	95	95				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	14.7	14.7				
Lane Width (ft)	7.3	7.3				

Gettysburg National Military Park

ROUTE 0040: SEMINARY RIDGE AVENUE

Data Collection Vehicle (DCV) Rating

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.34	**Section Length (MI)**	0.34				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	97	97				
Surface Condition Rating (SCR)	97	97				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	99	99				
Alligator Crack Index	100	100				
Longitudinal Crack Index	99	99				
Transverse Cracking Index	98	98				
Patching Index	100	100				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	23.6	23.6				
Lane Width (ft)	11.8	11.8				

Gettysburg National Military Park

ROUTE 0041: WAINWRIGHT AVENUE

Data Collection Vehicle (DCV) Rating

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.43	**Section Length (MI)**	0.43				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	97	97				
Surface Condition Rating (SCR)	97	97				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	97	97				
Alligator Crack Index	99	99				
Longitudinal Crack Index	98	98				
Transverse Cracking Index	98	98				
Patching Index	100	100				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	11.5	11.5				
Lane Width (ft)	10.7	10.7				

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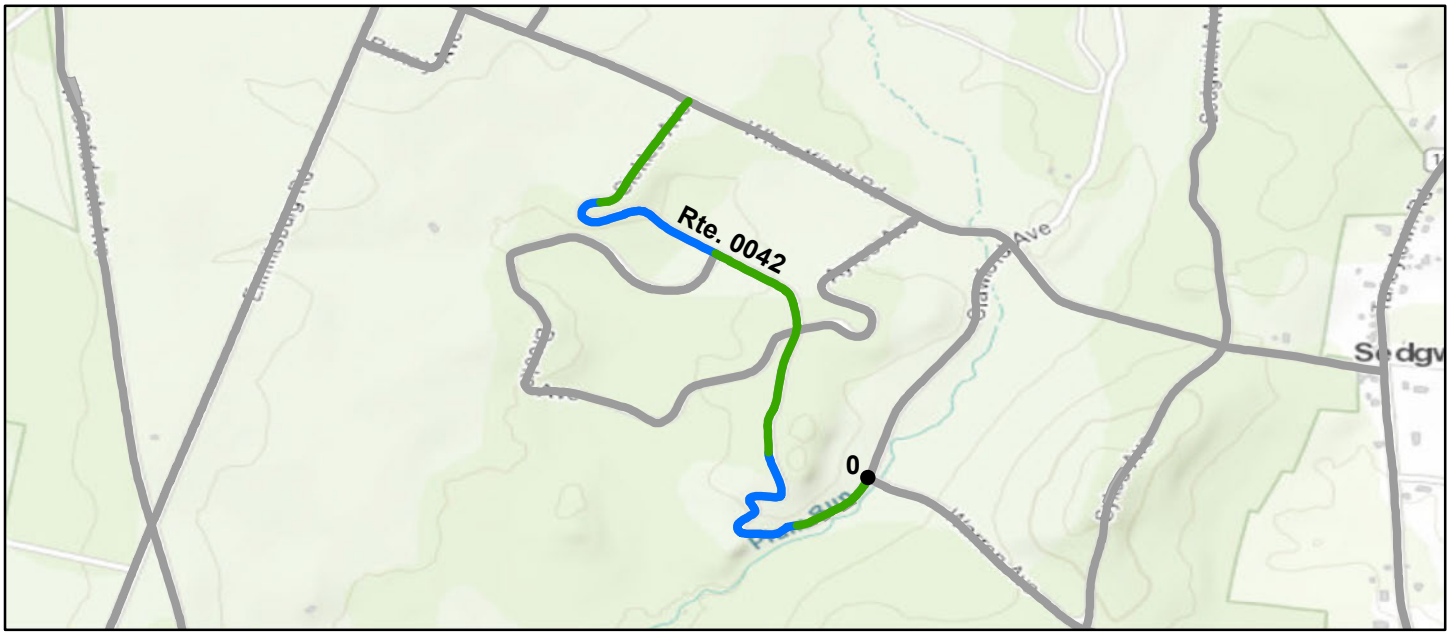
ROUTE 0042: SOUTH SICKLES AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

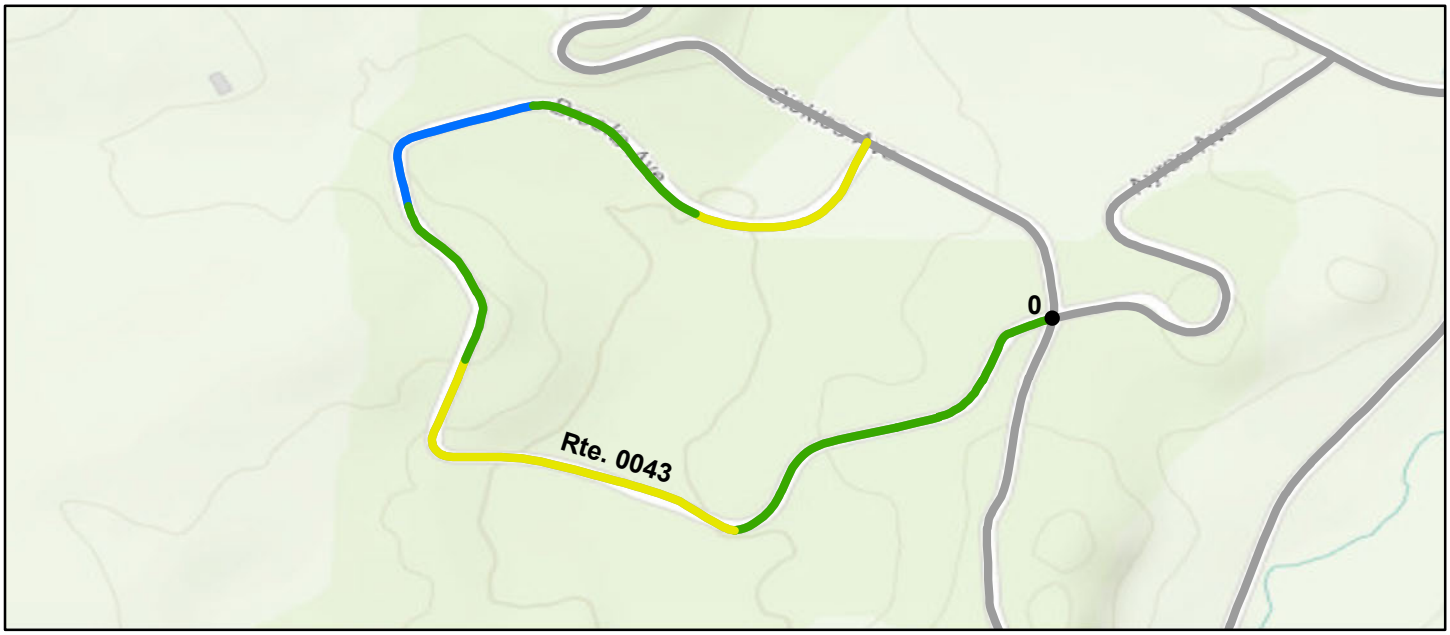
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.96	**Section Length (MI)**	0.96				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	90	90				
Surface Condition Rating (SCR)	98	98				
Roughness Condition Index (RCI)	78	78				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	98	98				
International Roughness Index (IRI)	176	176				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	17.9	17.9				
Lane Width (ft)	17.9	17.9				

Gettysburg National Military Park

ROUTE 0043: CROSS-BROOKE- DETROBRIAND AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

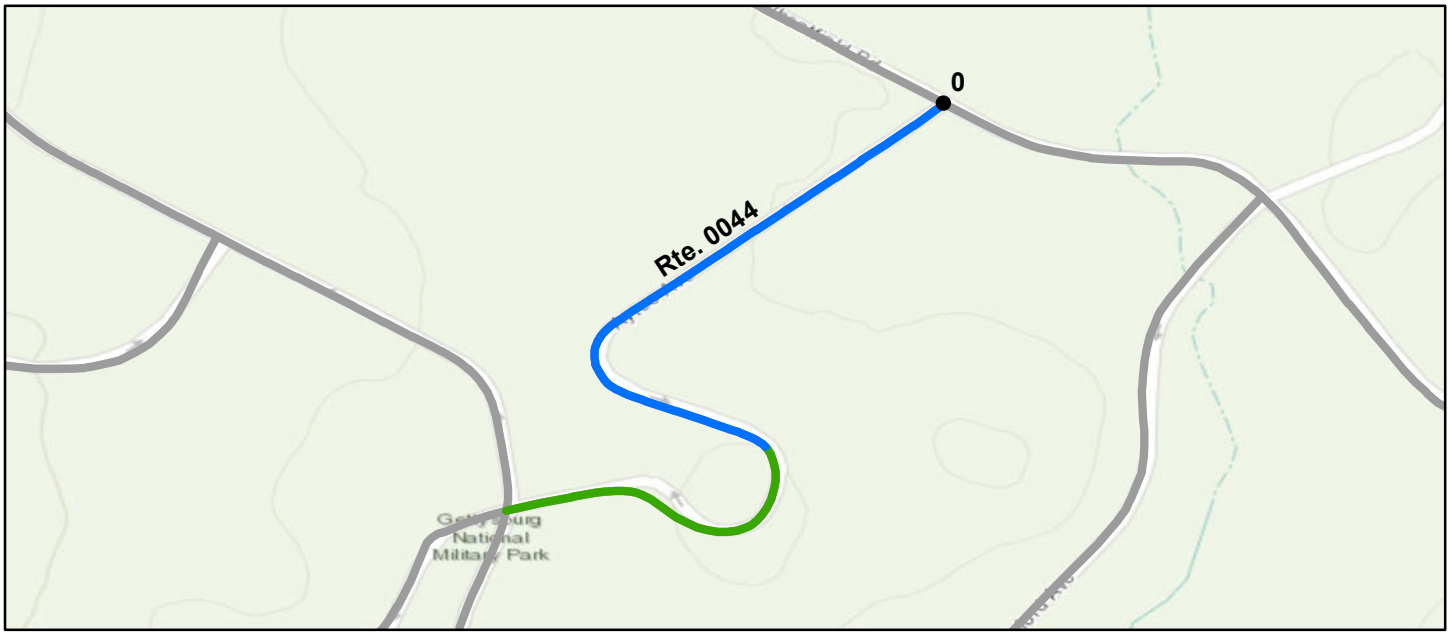
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.8	**Section Length (MI)**	0.8				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	82	82				
Surface Condition Rating (SCR)	95	95				
Roughness Condition Index (RCI)	62	62				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	95	95				
International Roughness Index (IRI)	231	231				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	11.8	11.8				
Lane Width (ft)	11.8	11.8				

Gettysburg National Military Park

ROUTE 0044: AYERS AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.3	**Section Length (MI)**	0.3				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	97	97				
Surface Condition Rating (SCR)	97	97				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	99	99				
Alligator Crack Index	100	100				
Longitudinal Crack Index	99	99				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	14	14				
Lane Width (ft)	14	14				

Gettysburg National Military Park

ROUTE 0052: CULPS HILL TOWER ROAD

Data Collection Vehicle (DCV) Rating

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.15	**Section Length (MI)**	0.15				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	97	97				
Surface Condition Rating (SCR)	97	97				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	97	97				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	19.3	19.3				
Lane Width (ft)	14.2	14.2				

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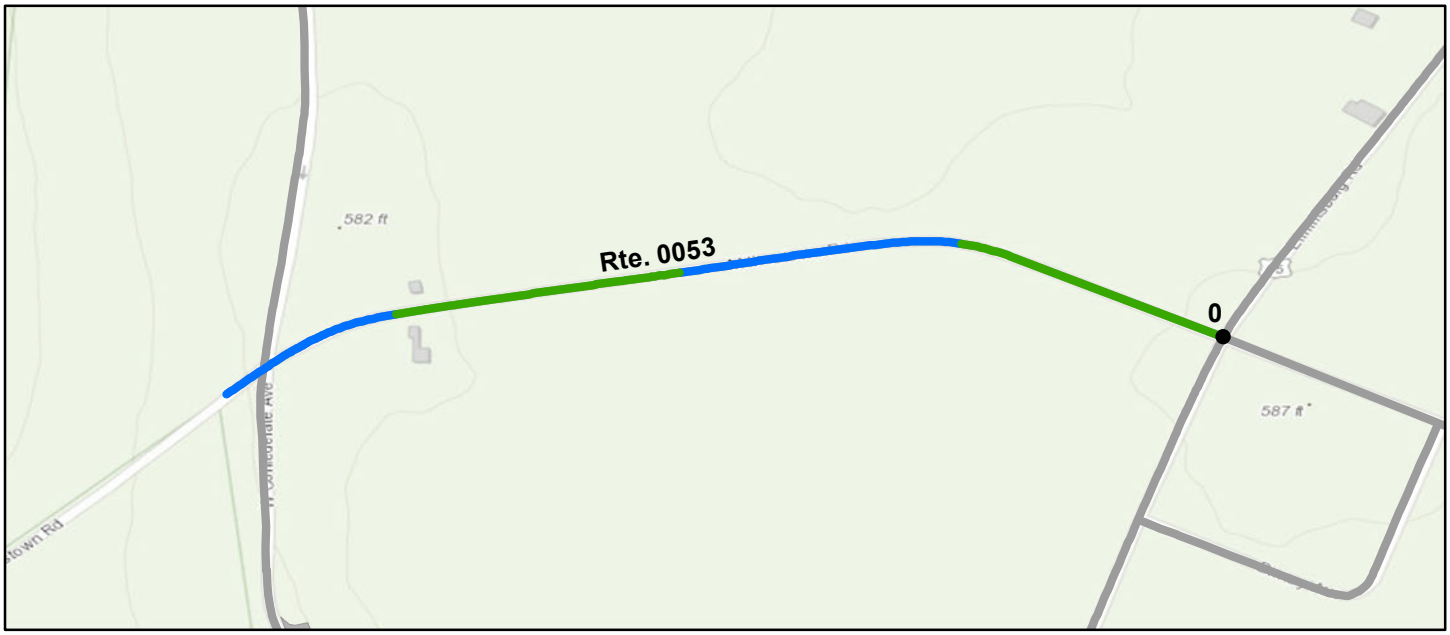
ROUTE 0053: MILLERSTOWN ROAD

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.37	**Section Length (MI)**	0.37				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	96	96				
Surface Condition Rating (SCR)	96	96				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	96	96				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	22.8	22.8				
Lane Width (ft)	11.1	11.1				

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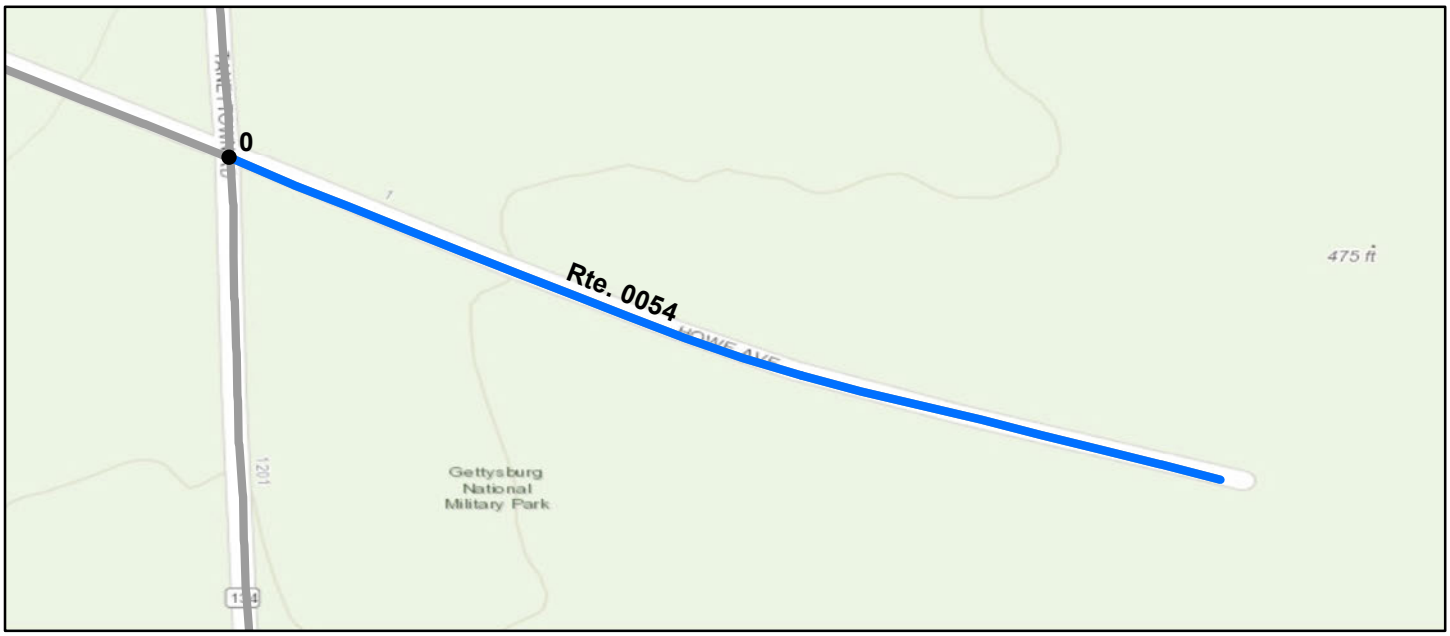
ROUTE 0054: HOWE AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.17	**Section Length (MI)**	0.17				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	100	100				
Surface Condition Rating (SCR)	100	100				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	100	100				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	15.5	15.5				
Lane Width (ft)	7.7	7.7				

Gettysburg National Military Park

ROUTE 0055: DOUBLEDAY AVENUE

Data Collection Vehicle (DCV) Rating

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.4	**Section Length (MI)**	0.4				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	99	99				
Surface Condition Rating (SCR)	99	99				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	18.7	18.7				
Lane Width (ft)	9.4	9.4				

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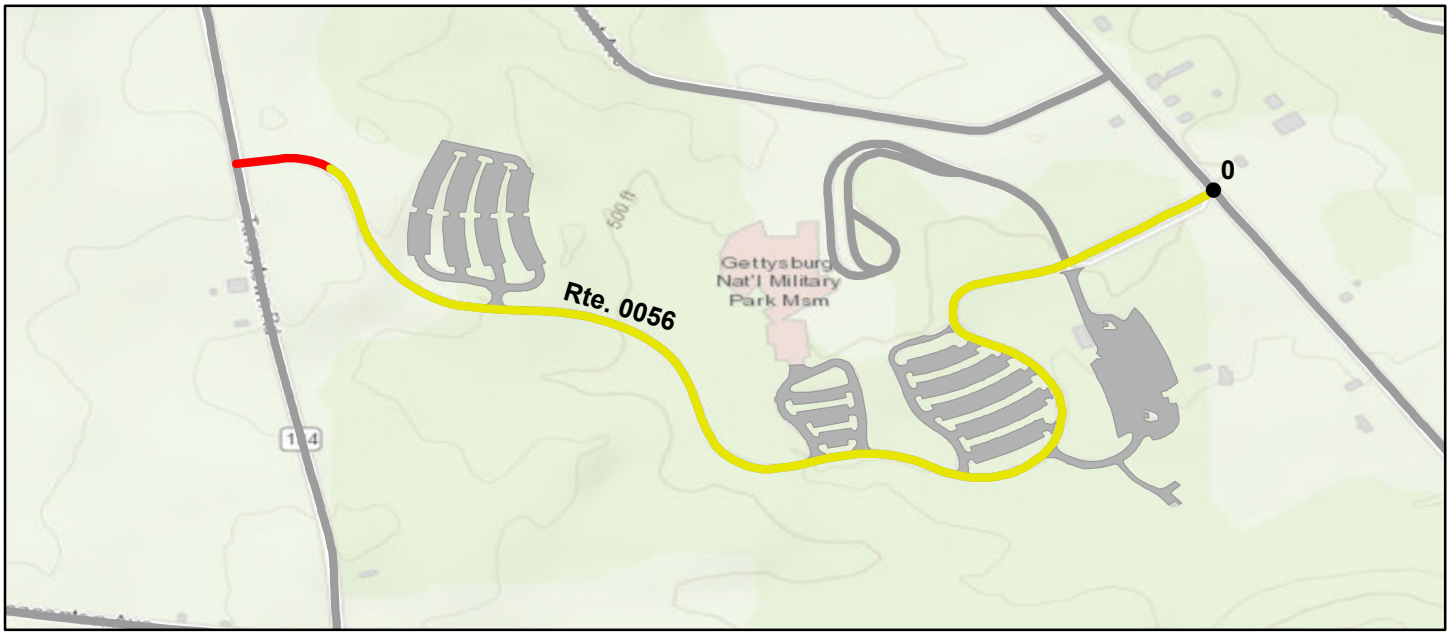
ROUTE 0056: VISITOR CENTER DRIVE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.84	**Section Length (MI)**	0.84				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	70	70				
Surface Condition Rating (SCR)	84	84				
Roughness Condition Index (RCI)	49	49				
Distress Index Values						
Structural Crack Index	92	92				
Alligator Crack Index	97	97				
Longitudinal Crack Index	95	95				
Transverse Cracking Index	97	97				
Patching Index	96	96				
Rutting Index	84	84				
International Roughness Index (IRI)	287	287				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	27.6	27.6				
Lane Width (ft)	13.4	13.4				

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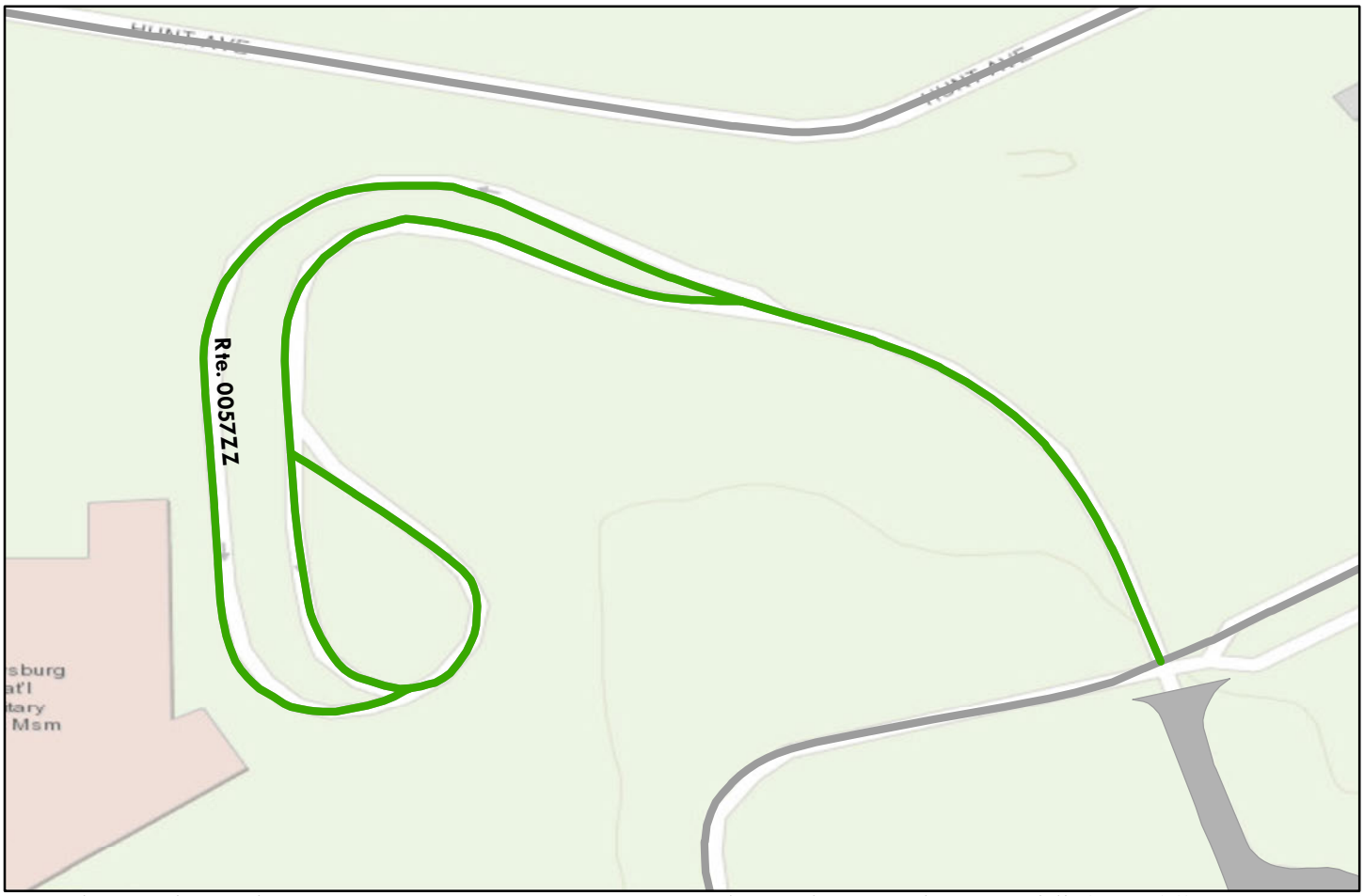
ROUTE 0057ZZ: VISITOR CENTER BUS LOOPS

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:	11/19/2020
Paved Length (Miles):	0.45
Surface Type:	ASPHALT
Roadway Condition Information	
Pavement Condition Rating (PCR)	91
Lane & Width Information	
Number of Lanes	2
Paved Width (ft)	30.5
Lane Width (ft)	15.2

Route Summary

Gettysburg National Military Park

ROUTE 0057AZ: VISITOR CENTER BUS LOOP A

Subcomponent of Route GETT-0057ZZ

Data Collection Vehicle (DCV) Rating

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

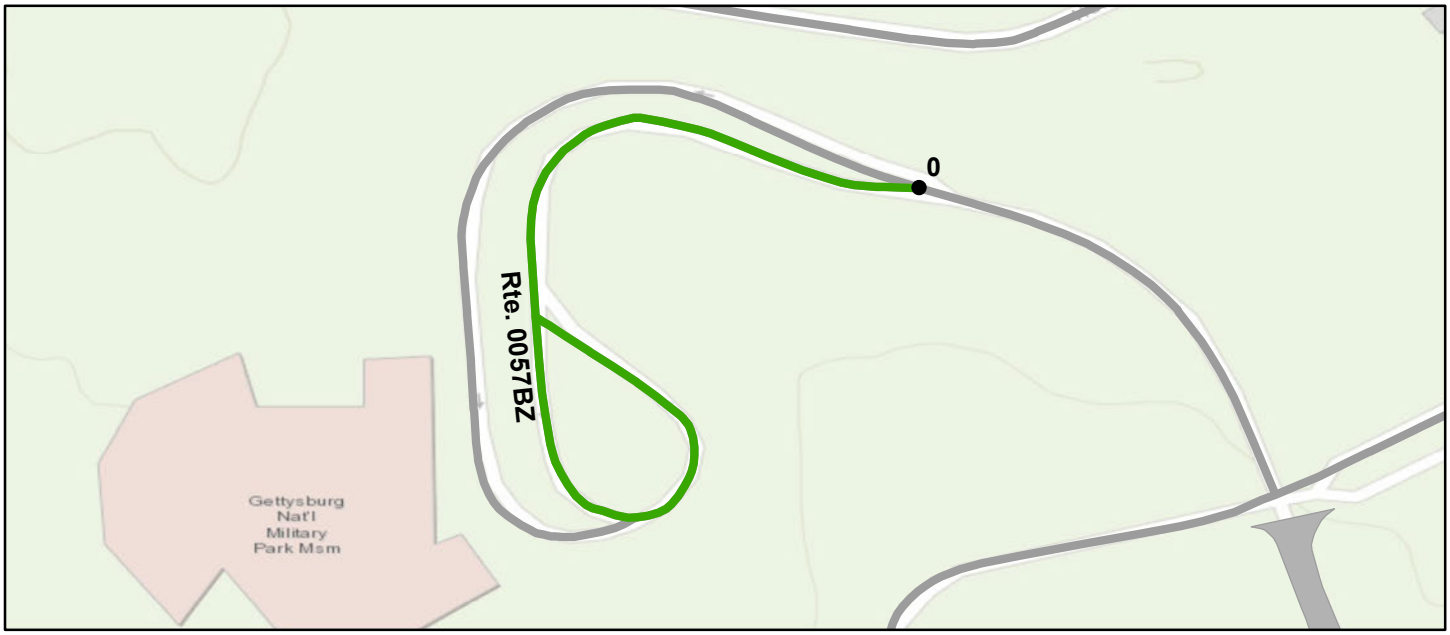
Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.26	**Section Length (MI)**	0.26				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	90	90				
Surface Condition Rating (SCR)	89	89				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	97	97				
Alligator Crack Index	100	100				
Longitudinal Crack Index	97	97				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	89	89				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	24.2	24.2				
Lane Width (ft)	12.1	12.1				

Gettysburg National Military Park

ROUTE 0057BZ: VISITOR CENTER BUS LOOP B

Subcomponent of Route GETT-0057ZZ

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

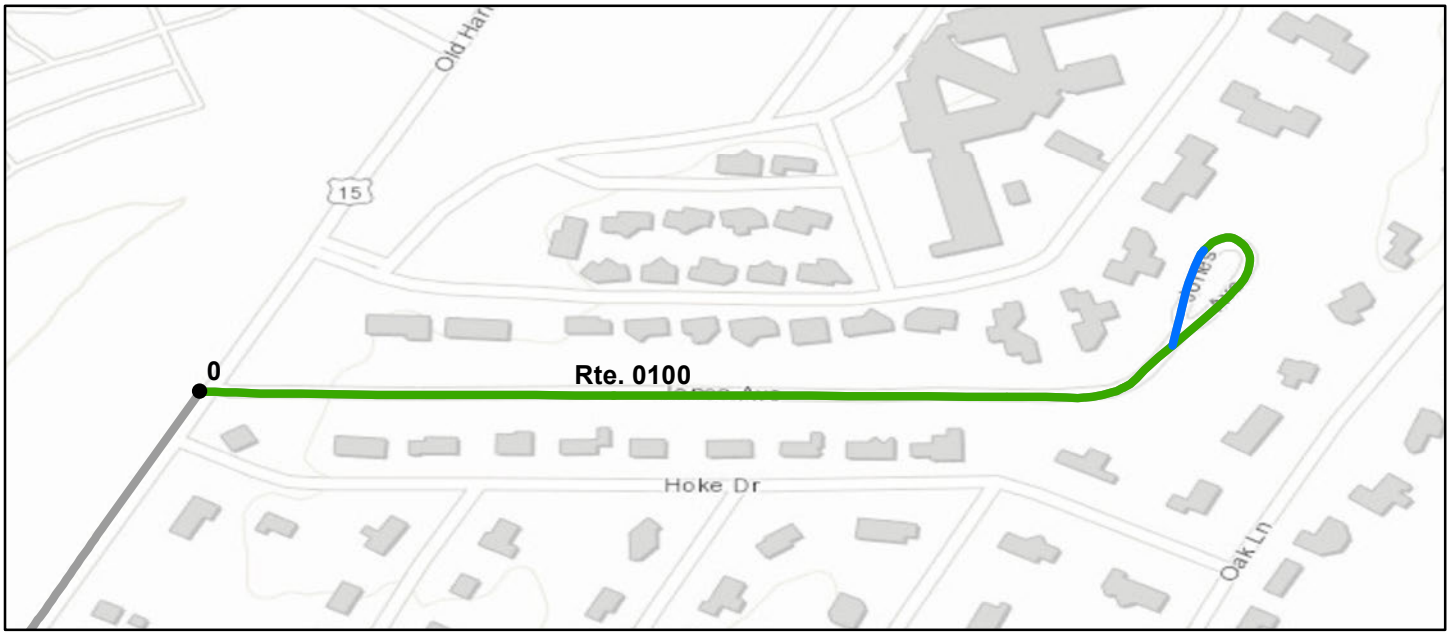
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.19	**Section Length (MI)**	0.19				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	91	91				
Surface Condition Rating (SCR)	91	91				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	91	91				
Alligator Crack Index	100	100				
Longitudinal Crack Index	91	91				
Transverse Cracking Index	98	98				
Patching Index	96	96				
Rutting Index	92	92				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	39.1	39.1				
Lane Width (ft)	19.5	19.5				

Gettysburg National Military Park

ROUTE 0100: JONES BATTALION AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

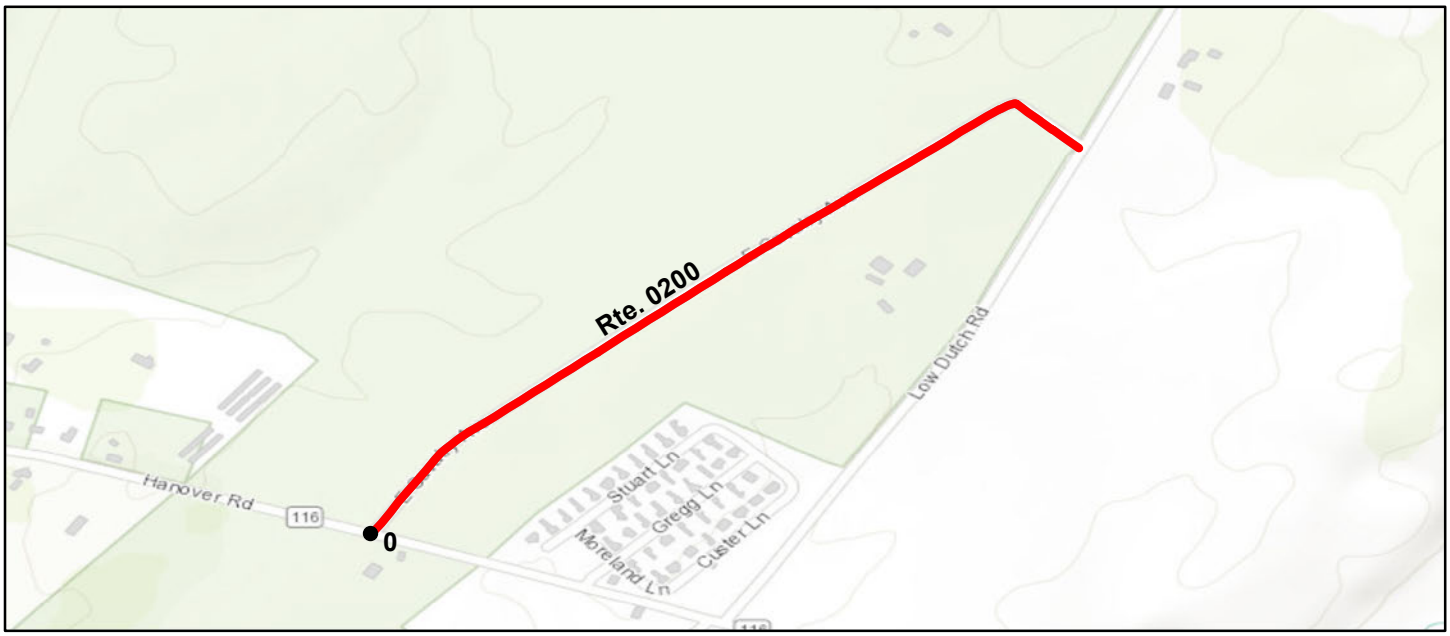
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.33	**Section Length (MI)**	0.33				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	92	92				
Surface Condition Rating (SCR)	92	92				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	92	92				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	8.9	8.9				
Lane Width (ft)	8.9	8.9				

Gettysburg National Military Park

ROUTE 0200: UNITED STATES CAVALRY AVENUE

Data Collection Vehicle (DCV) Rating



Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/19/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.57	**Section Length (MI)**	0.57				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	38	38				
Surface Condition Rating (SCR)	17	17				
Roughness Condition Index (RCI)	69	69				
Distress Index Values						
Structural Crack Index	72	72				
Alligator Crack Index	100	100				
Longitudinal Crack Index	72	72				
Transverse Cracking Index	17	17				
Patching Index	100	100				
Rutting Index	99	99				
International Roughness Index (IRI)	204	204				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10.2	10.2				
Lane Width (ft)	10.2	10.2				

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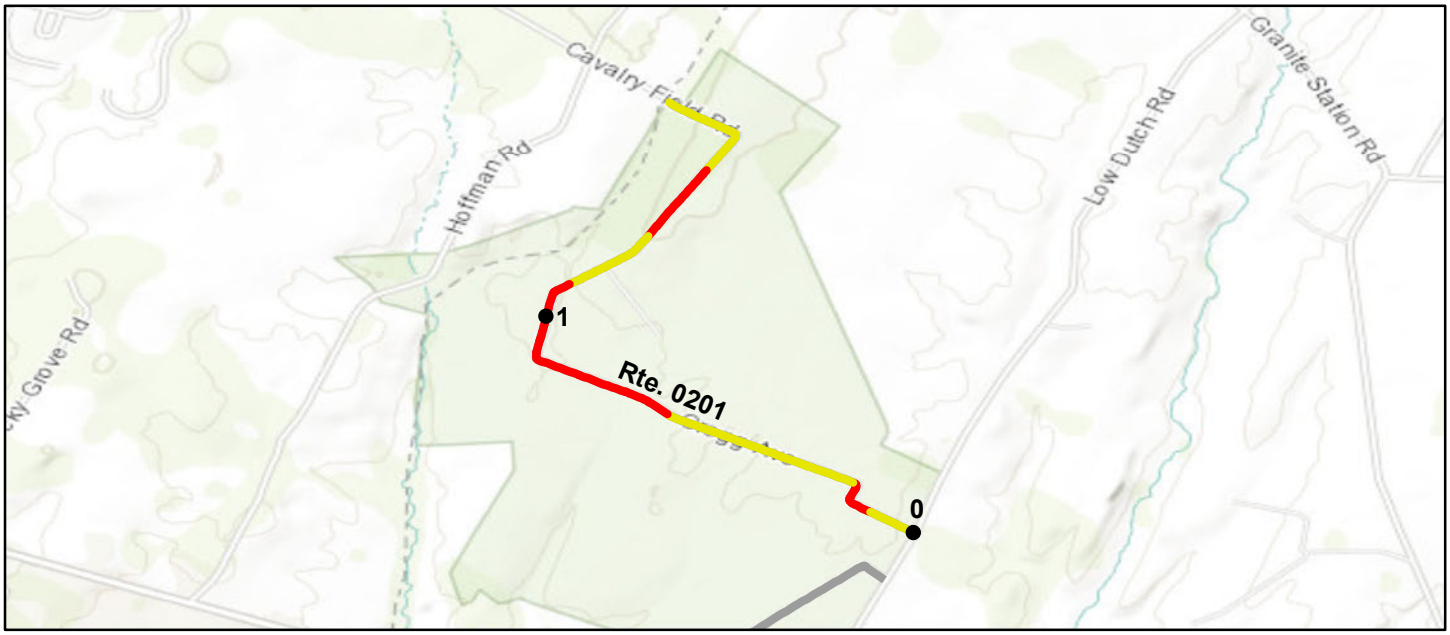
ROUTE 0201: CONFEDERATE CAVALRY-GREGG AVENUE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/19/2020	**Beginning Section MP**	0	1			
Paved Length (Miles): 1.76	**Section Length (MI)**	1	0.76			
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	61	60	62			
Surface Condition Rating (SCR)	54	50	58			
Roughness Condition Index (RCI)	71	74	67			
Distress Index Values						
Structural Crack Index	87	86	88			
Alligator Crack Index	100	100	100			
Longitudinal Crack Index	87	86	88			
Transverse Cracking Index	54	50	58			
Patching Index	100	100	100			
Rutting Index	98	99	97			
International Roughness Index (IRI)	198	187	212			
Lane & Width Information						
Number of Lanes	1	1	1			
Paved Width (ft)	11.8	11.9	11.8			
Lane Width (ft)	11.8	11.9	11.8			

Gettysburg National Military Park

ROUTE 0202: BIRNEY AVENUE

Data Collection Vehicle (DCV) Rating

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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.16	**Section Length (MI)**	0.16				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	95	95				
Surface Condition Rating (SCR)	95	95				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	100	100				
Alligator Crack Index	100	100				
Longitudinal Crack Index	100	100				
Transverse Cracking Index	100	100				
Patching Index	100	100				
Rutting Index	95	95				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	11.4	11.4				
Lane Width (ft)	11.4	11.4				

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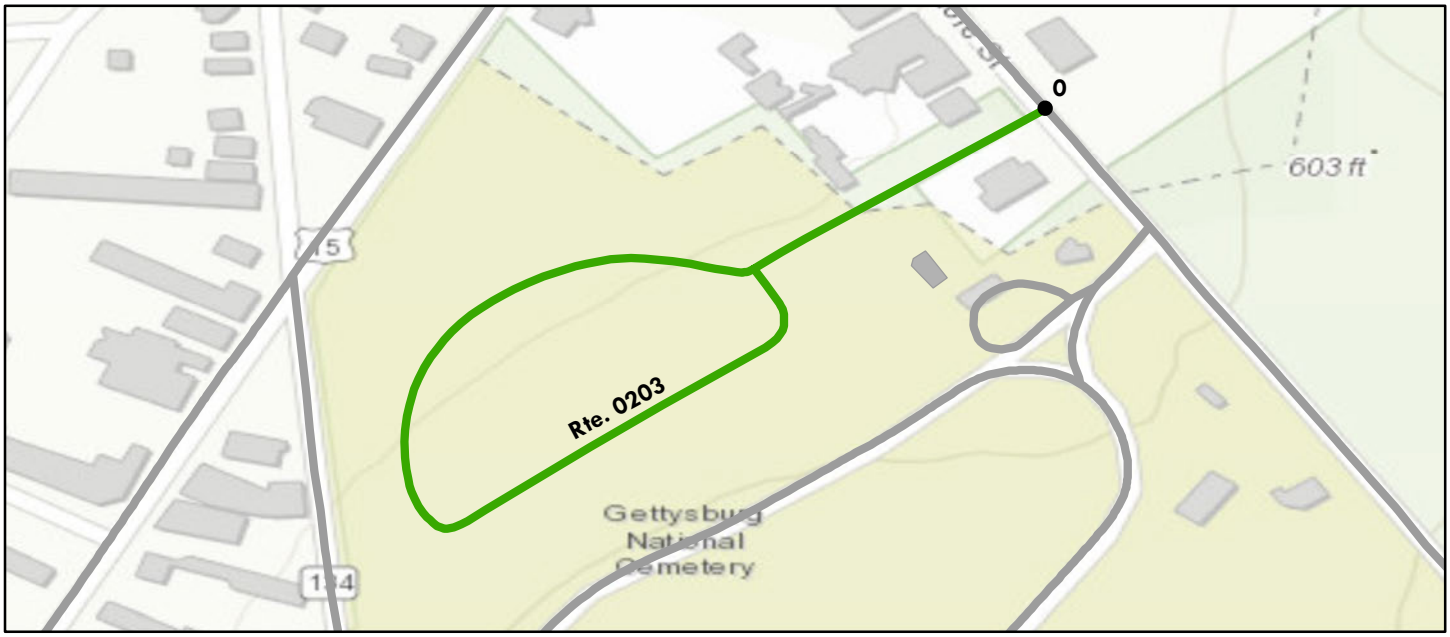
ROUTE 0203: NATIONAL CEMETERY ANNEX DRIVE- MAIN LOOP

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:	6/15/2020	**Beginning Section MP**	0.00				
Paved Length (Miles):	0.28	**Section Length (MI)**	0.28				
Surface Type:	ASPHALT	**Route Summary**					
Roadway Condition Information							
Pavement Condition Rating (PCR)		90	90				
Surface Condition Rating (SCR)		90	90				
Roughness Condition Index (RCI)		N/A	N/A				
Distress Index Values							
Structural Crack Index		N/A	N/A				
Alligator Crack Index		97	97				
Longitudinal Crack Index		97	97				
Transverse Cracking Index		90	90				
Patching Index		97	97				
Rutting Index		97	97				
International Roughness Index (IRI)		N/A	N/A				
Lane & Width Information							
Number of Lanes		1	1				
Paved Width (ft)		12	12				
Lane Width (ft)		12	12				

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ROUTE 0203: NATIONAL CEMETERY ANNEX DRIVE- MAIN LOOP

Condition Photos

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

GETT_0203_1.jpg

GETT_0203_10.jpg

GETT_0203_11.jpg

GETT_0203_12.jpg

GETT_0203_13.jpg

GETT_0203_2.jpg

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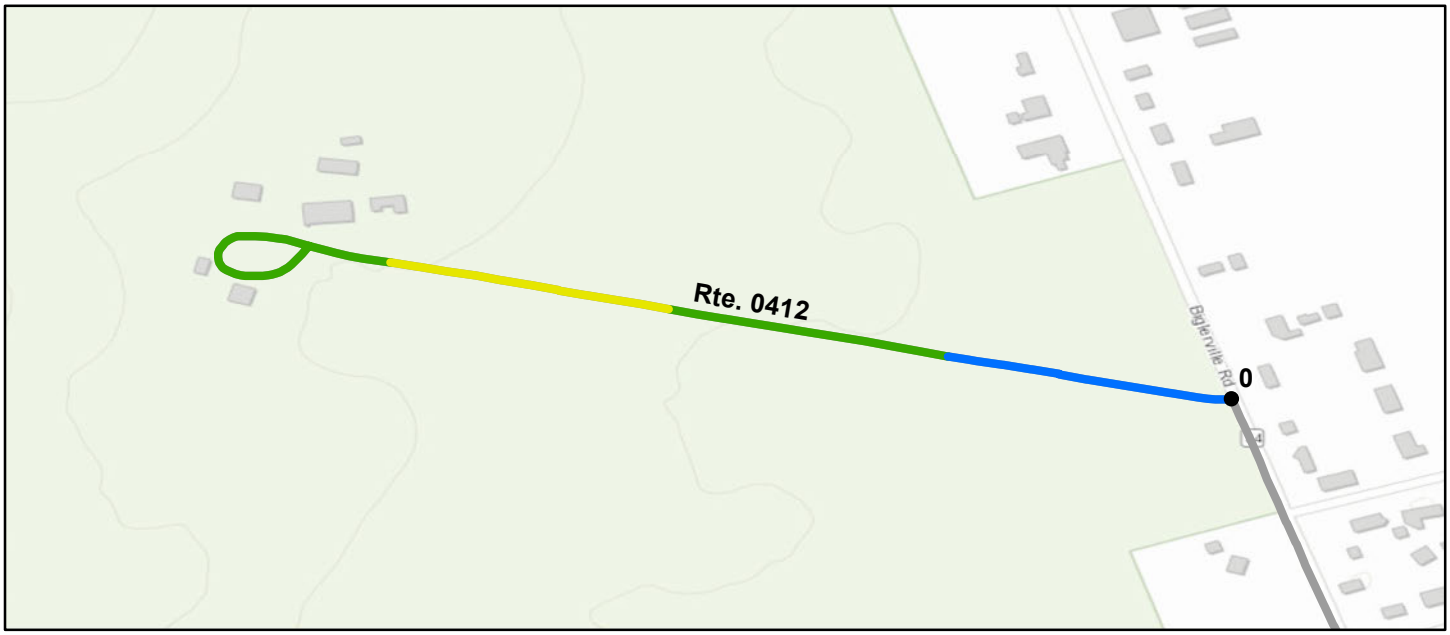
ROUTE 0412: COBEAN FARM LANE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

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

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.4	**Section Length (MI)**	0.4				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	92	92				
Surface Condition Rating (SCR)	92	92				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	95	95				
Alligator Crack Index	100	100				
Longitudinal Crack Index	95	95				
Transverse Cracking Index	99	99				
Patching Index	100	100				
Rutting Index	92	92				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	1	1				
Paved Width (ft)	10.2	10.2				
Lane Width (ft)	10.2	10.2				

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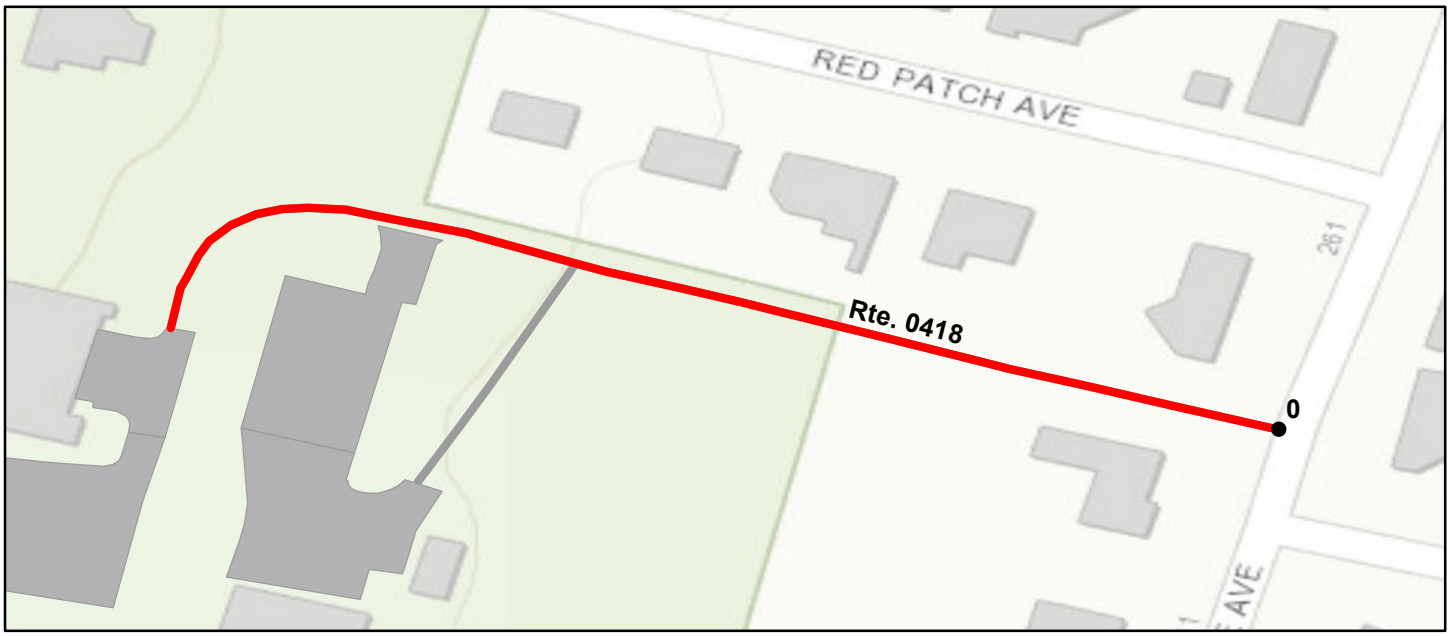
ROUTE 0418: GETTYSBURG ARMORY DRIVE

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

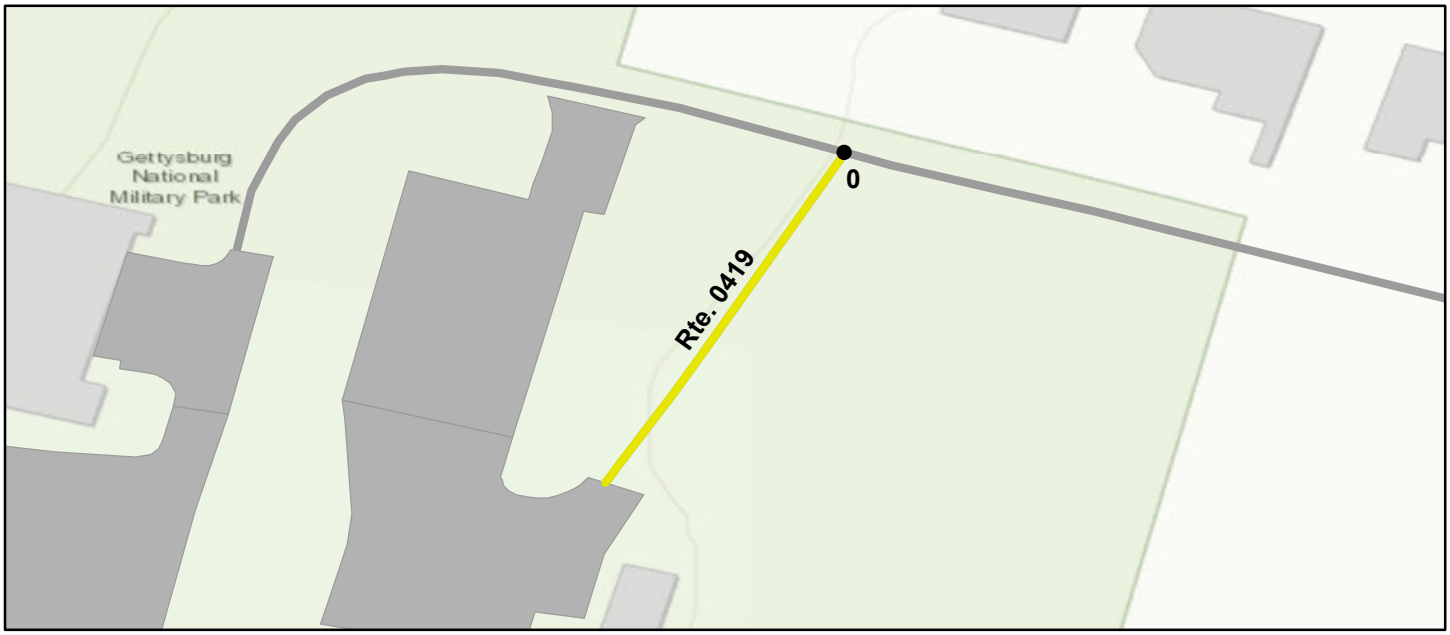
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.12	**Section Length (MI)**	0.12				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	1	1				
Surface Condition Rating (SCR)	1	1				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	1	1				
Alligator Crack Index	78	78				
Longitudinal Crack Index	23	23				
Transverse Cracking Index	51	51				
Patching Index	88	88				
Rutting Index	76	76				
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				

Gettysburg National Military Park

ROUTE 0419: GETTYSBURG ARMORY DRIVE 2

Data Collection Vehicle (DCV) Rating



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

Route Condition Legend – Pavement Condition Rating (PCR)

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

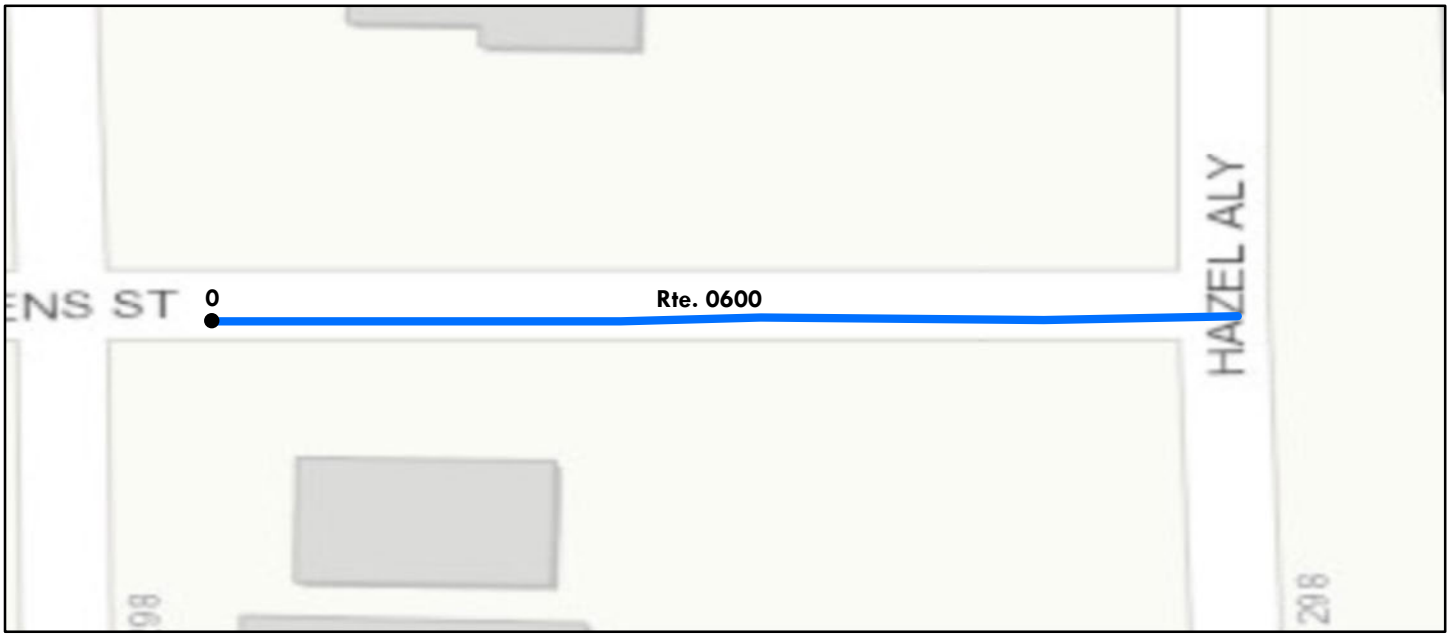
Colors on map represent condition scores at 0.10-mile intervals. See Appendix for definitions and formulas.

Inspection Date: 11/20/2020	**Beginning Section MP**	0				
Paved Length (Miles): 0.03	**Section Length (MI)**	0.03				
Surface Type: ASPHALT	**Route Summary**					
Roadway Condition Information						
Pavement Condition Rating (PCR)	61	61				
Surface Condition Rating (SCR)	61	61				
Roughness Condition Index (RCI)	N/A	N/A				
Distress Index Values						
Structural Crack Index	74	74				
Alligator Crack Index	99	99				
Longitudinal Crack Index	75	75				
Transverse Cracking Index	61	61				
Patching Index	100	100				
Rutting Index	89	89				
International Roughness Index (IRI)	N/A	N/A				
Lane & Width Information						
Number of Lanes	2	2				
Paved Width (ft)	17.8	17.8				
Lane Width (ft)	9	9				

Gettysburg National Military Park

ROUTE 0600: COSTER AVENUE

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: 6/15/2020	**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)	97	97					
Surface Condition Rating (SCR)	97	97					
Roughness Condition Index (RCI)	N/A	N/A					
Distress Index Values							
Structural Crack Index	N/A	N/A					
Alligator Crack Index	97	97					
Longitudinal Crack Index	97	97					
Transverse Cracking Index	97	97					
Patching Index	97	97					
Rutting Index	97	97					
International Roughness Index (IRI)	N/A	N/A					
Lane & Width Information							
Number of Lanes	1	1					
Paved Width (ft)	29	29					
Lane Width (ft)	29	29					

Gettysburg National Military Park

ROUTE 0600: COSTER AVENUE

Condition Photos

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

GETT_0600_1.jpg

GETT_0600_2.jpg

GETT_0600_3.jpg

GETT_0600_4.jpg

GETT_0600_5.jpg

GETT_0600_6.jpg

Section 6
Paved Parking Area Condition Rating Sheets

Gettysburg National Military Park

Federal Lands Highway
Road Inventory Program

Gettysburg National Military Park

ROUTE 0900ZZ: ETERNAL PEACE LIGHT MEMORIAL PARKING AREAS

Summary Route
Manual Rating

ADJACENT TO ROUTE 0026 (NORTH CONFEDERATE AVENUE) ON LEFT AND RIGHT AT MP 0.13

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	63411	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
9,181	0.158	SUMMARY / 90	

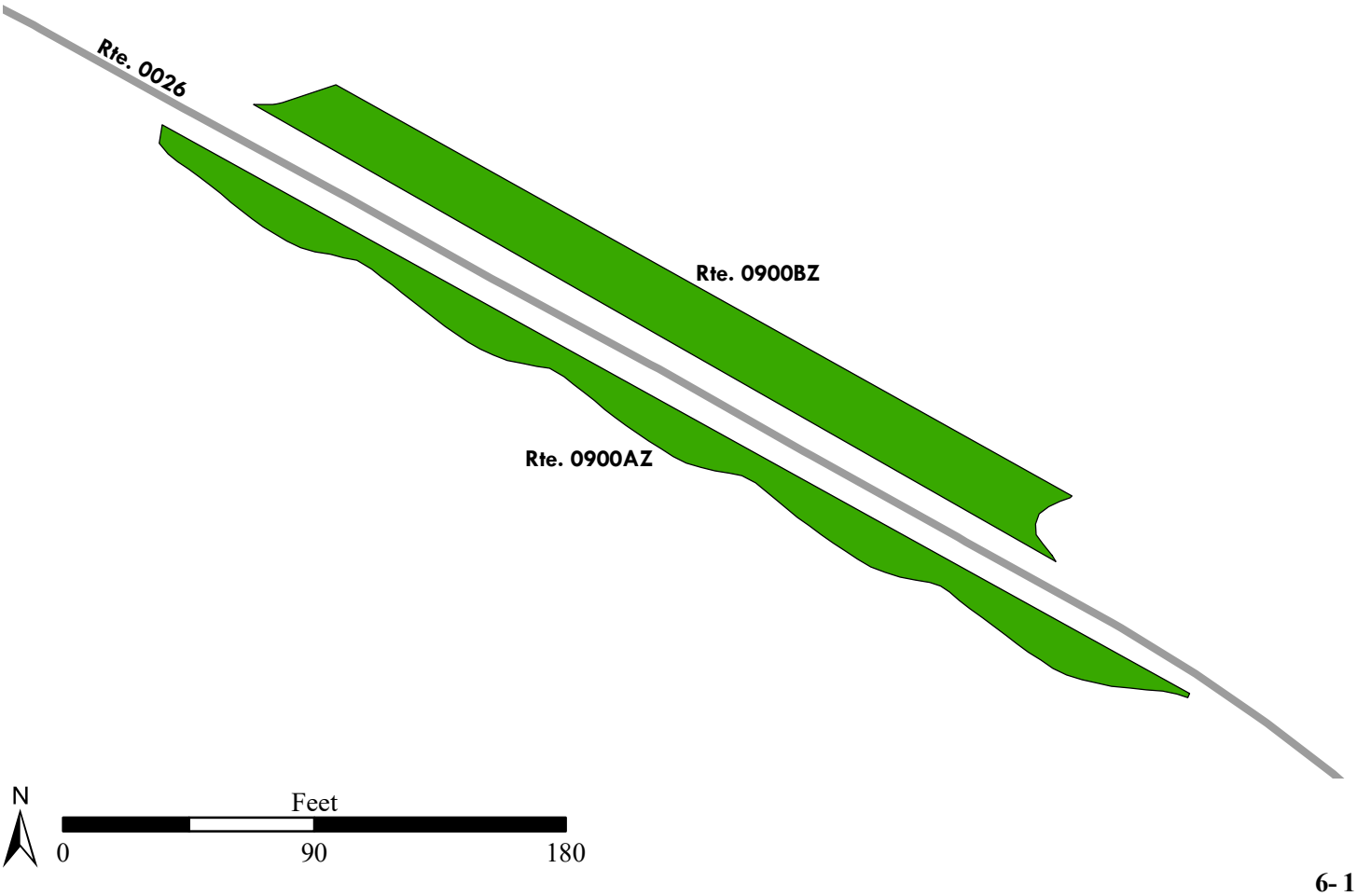
Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas

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

Rte. 0900ZZ
(2 Subcomponents)



Gettysburg National Military Park

ROUTE 0900AZ: ETERNAL PEACE LIGHT MEMORIAL PARKING A

Subcomponent of Route GETT-0900ZZ
Manual Rating

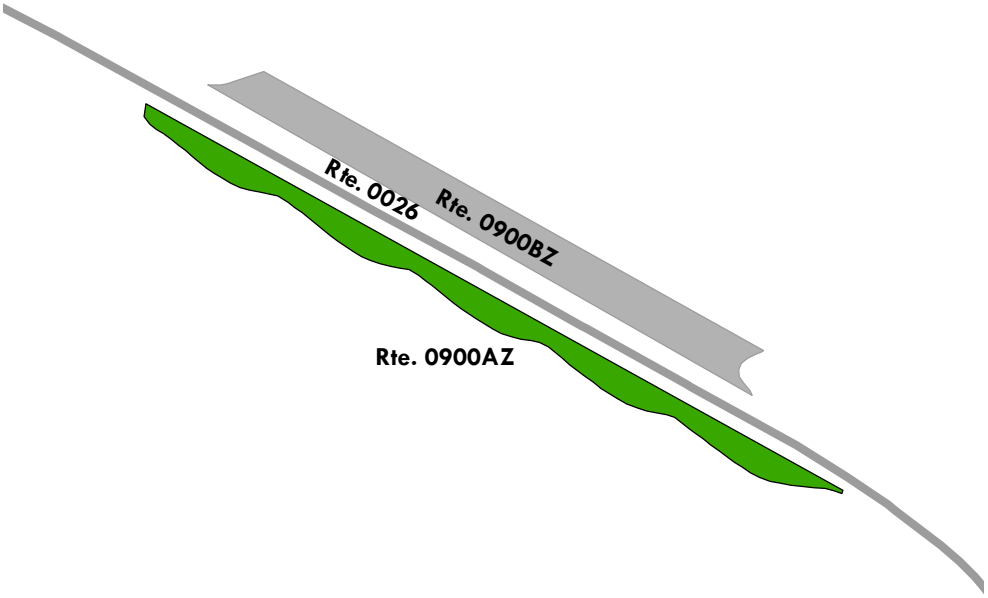
ADJACENT TO ROUTE 0026 (NORTH CONFEDERATE AVENUE) AT MP 0.13 ON RIGHT

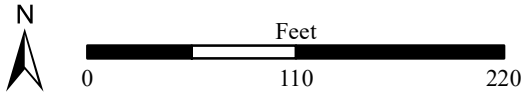
Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	63411	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
3,943	0.068	5	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas





Gettysburg National Military Park

ROUTE 0900BZ: ETERNAL PEACE LIGHT MEMORIAL PARKING B

Subcomponent of Route GETT-0900ZZ
Manual Rating

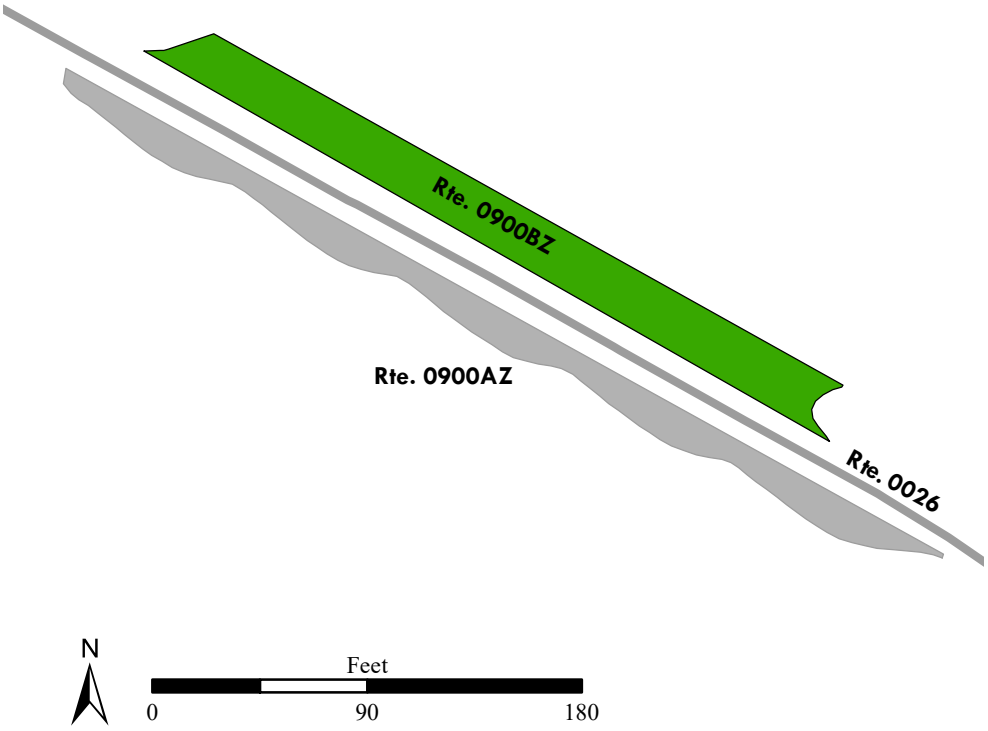
ADJACENT TO ROUTE 0026 (NORTH CONFEDERATE AVENUE) AT MP 0.13 ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	63411	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
5,238	0.09	5	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas



Gettysburg National Military Park

ROUTE 0901: OAK RIDGE TOWER PARKING

Manual Rating

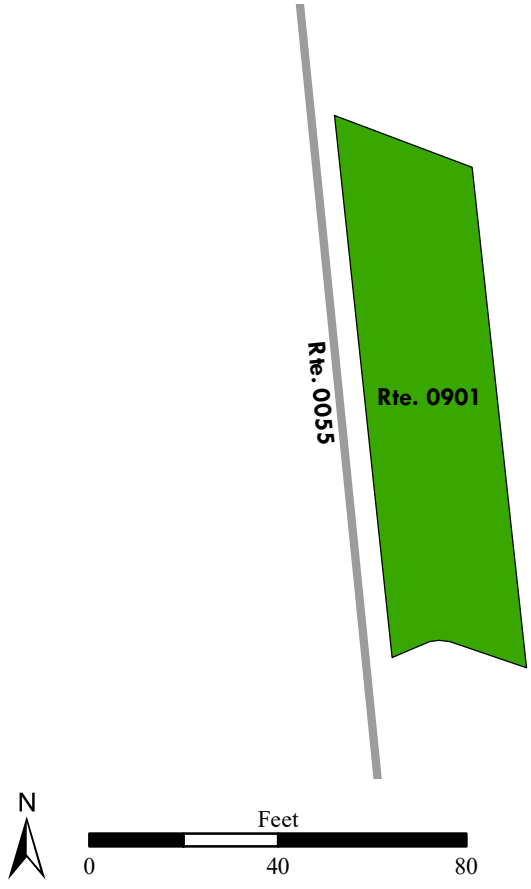
ADJACENT TO ROUTE 0055 (DOUBLEDAY AVENUE) AT MP 0.06 ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69442	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,351	0.04	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



Gettysburg National Military Park

ROUTE 0902: WEST END GUIDE STATION PARKING

Manual Rating

FROM ROUTE 0024 (STONE-MEREDITH AVENUE) AT MP 0.01 ON RIGHT

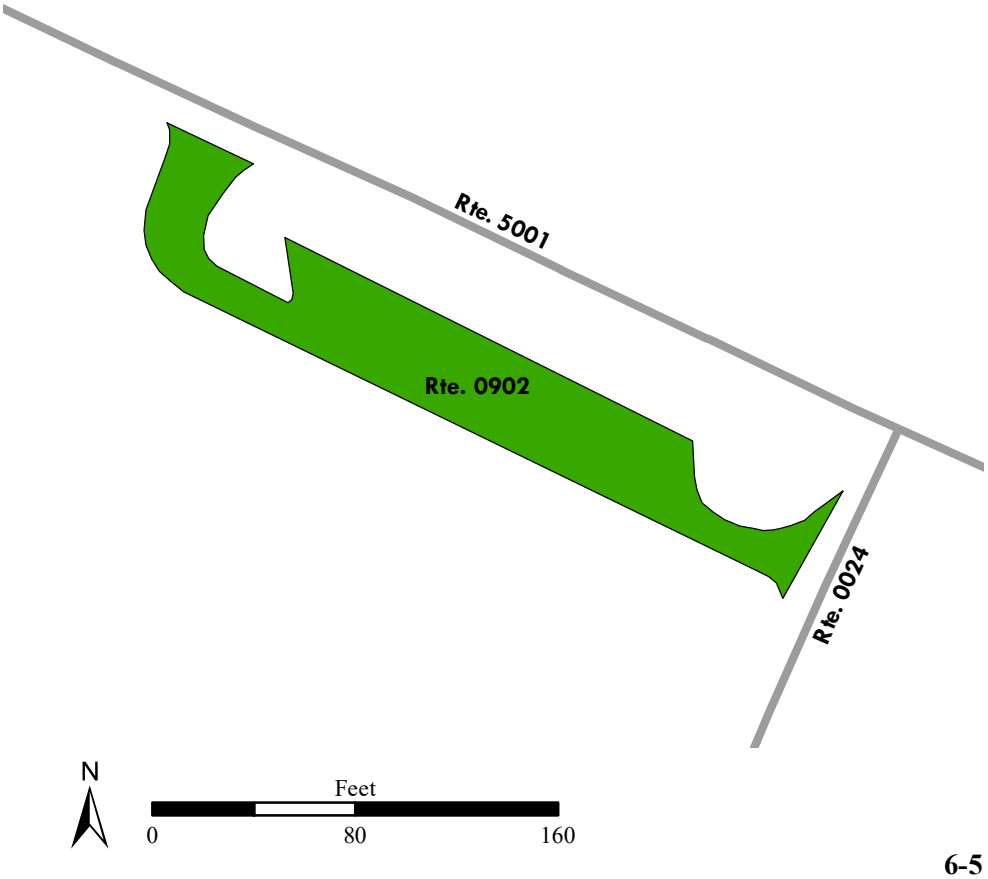
TO ROUTE 5001 (U.S. HIGHWAY 30 (CHAMBERSBURG ROAD AND LINCOLN HIGHWAY))

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	66140	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
7,147	0.123	7	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas



Gettysburg National Military Park

ROUTE 0904: NATIONAL CEMETERY PARKING

Manual Rating

FROM ROUTE 0010 (HANCOCK AVENUE) AT MP 1.08 ON RIGHT

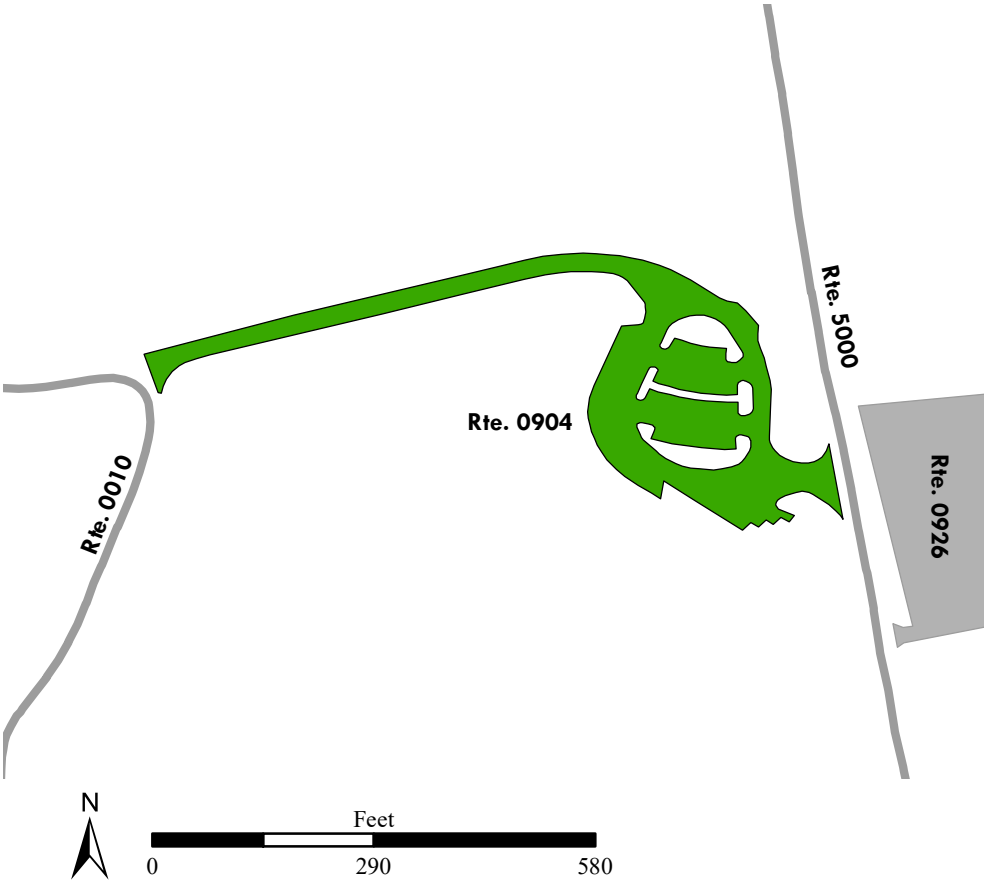
TO ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	67404	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
53,984	0.929	NOT APPLICABLE	DO NOTHING
Curb Type		**Curb & Gutter Type**	
NO CURB		CONCRETE	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas



Gettysburg National Military Park

ROUTE 0905: CULPS HILL TOWER PARKING

Manual Rating

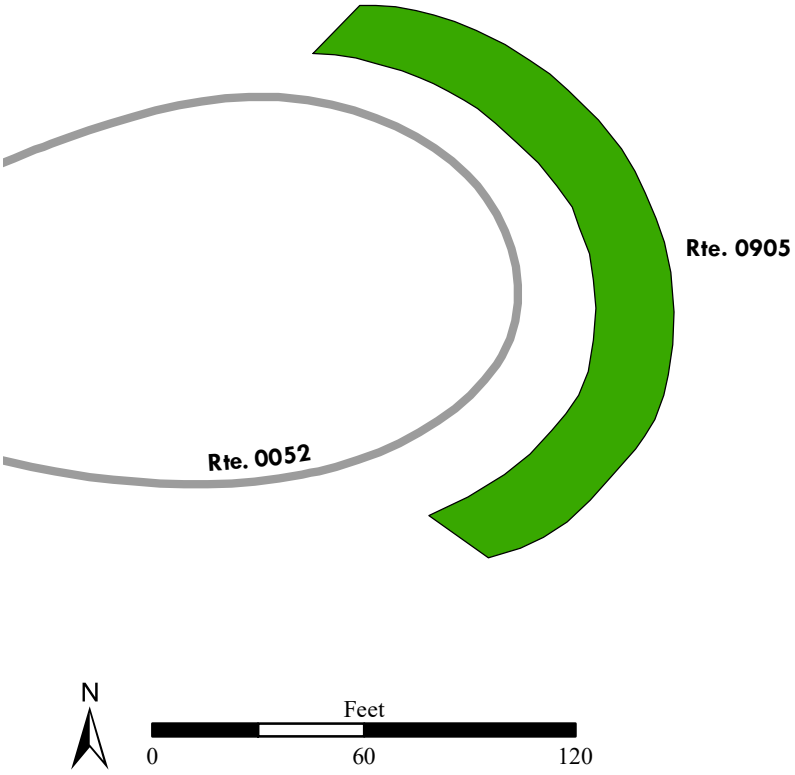
ADJACENT TO ROUTE 0052 (CULPS HILL TOWER ROAD) AT END OF LOOP

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	68567	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
3,366	0.058	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



Gettysburg National Military Park

ROUTE 0906: SPANGLER'S SPRING PARKING

Manual Rating

ADJACENT TO ROUTE 0030 (SLOCUM AVENUE) AT MP 0.10 ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	68574	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,207	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

Gettysburg National Military Park

ROUTE 0908: VIRGINIA MEMORIAL LOOP PARKING

Manual Rating

FROM ROUTE 0018 (WEST CONFEDERATE AVENUE) AT MP 1.13 ON LEFT

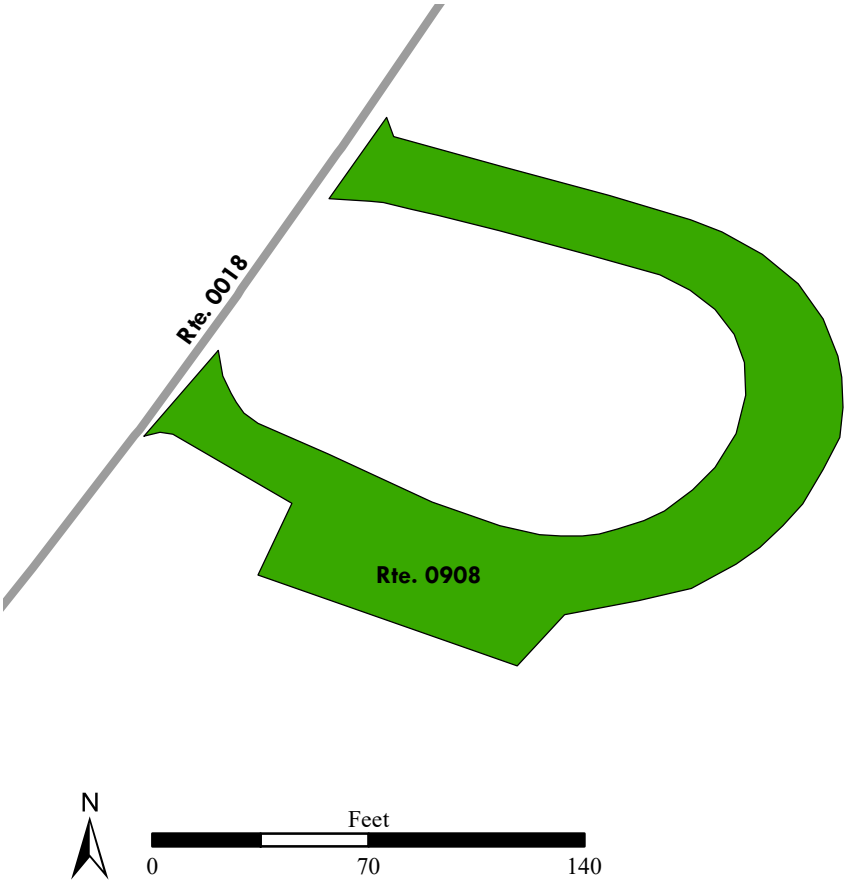
TO ROUTE 0018 (WEST CONFEDERATE AVENUE) AT MP 1.15 ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	67366	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
8,991	0.155	3	LIGHT REPAIR
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas



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ROUTE 0909: PENNSYLVANIA MONUMENT PARKING

Manual Rating

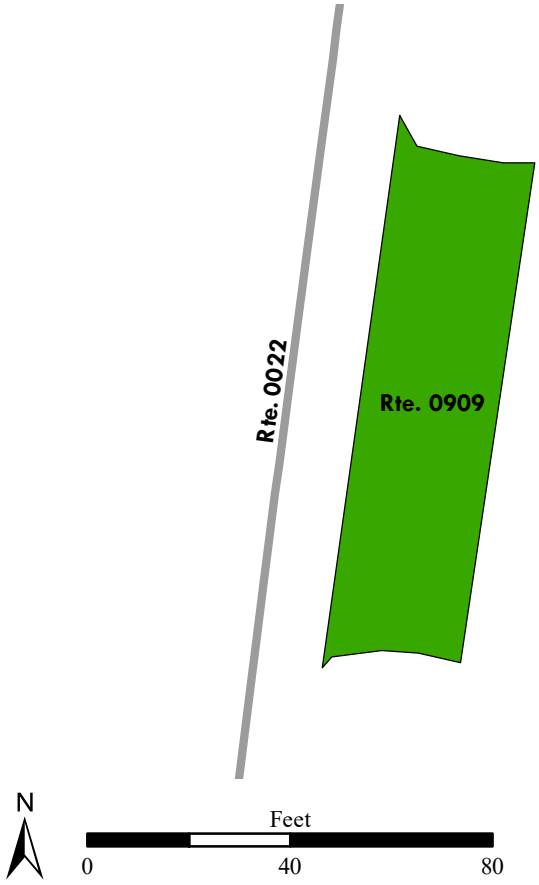
ADJACENT TO ROUTE 0022 (HUMPHREYS AVENUE)

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69448	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,101	0.036	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas



Gettysburg National Military Park

ROUTE 0910ZZ: MAINTENANCE PARKING AREAS

Summary Route
Manual Rating

FROM ROUTE 0021 (PLEASONTON AVENUE) AND ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))

TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69571	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
53,121	0.915	SUMMARY / 75	

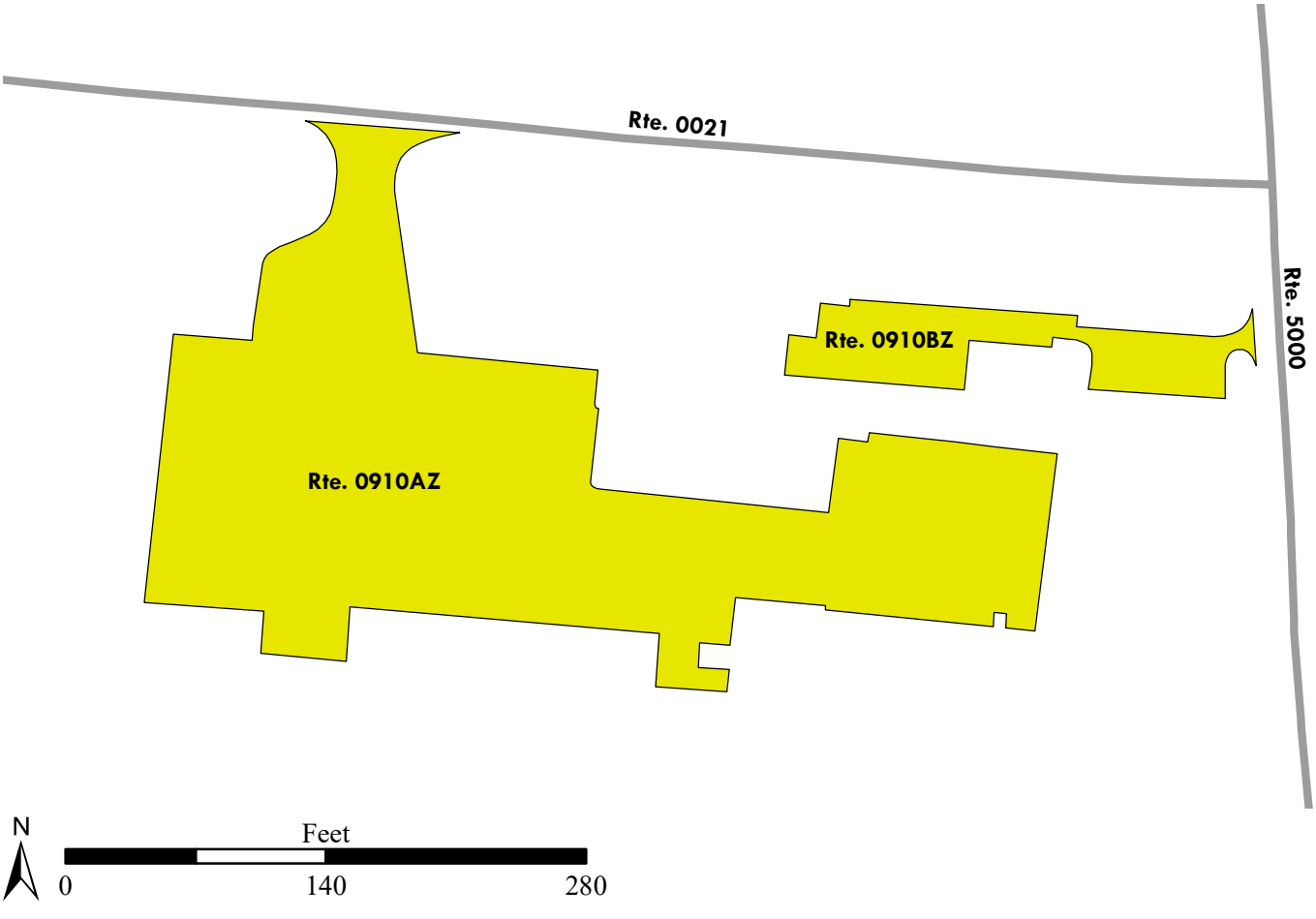
Route Condition Legend – Pavement Condition Rating (PCR)

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. 0910ZZ
(2 Subcomponents)



Gettysburg National Military Park

ROUTE 0910AZ: MAINTENANCE PARKING A

Subcomponent of Route GETT-0910ZZ
Manual Rating

FROM ROUTE 0021 (PLEASONTON AVENUE) AT MP 0.07 ON LEFT

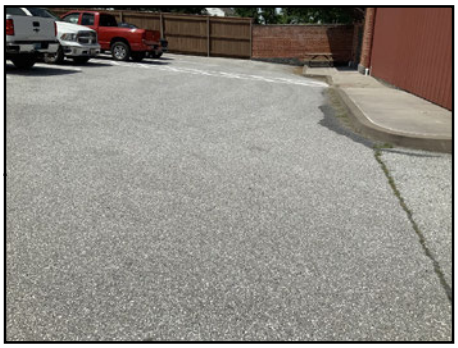
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69571	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
47,377	0.816	4	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
LIGHT 3R TREATMENTS		FAIR / 73	

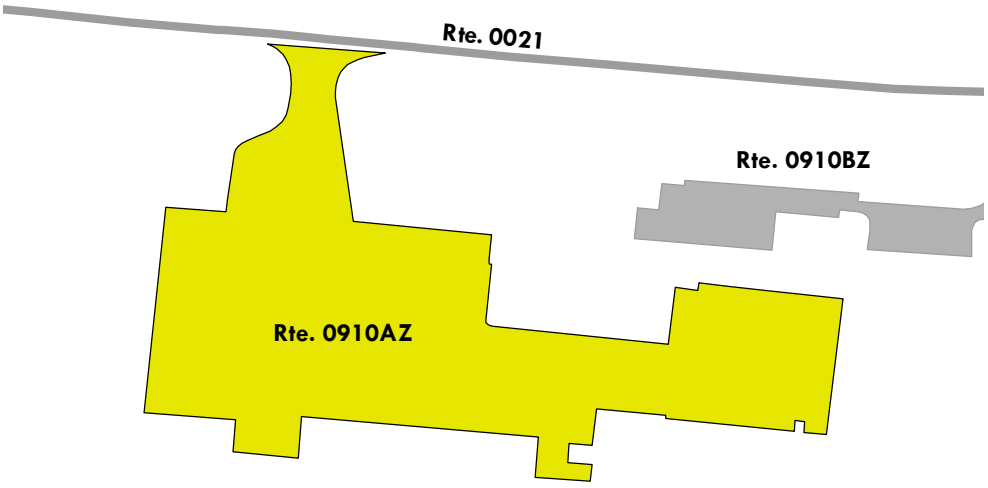
Route Condition Legend – Pavement Condition Rating (PCR)

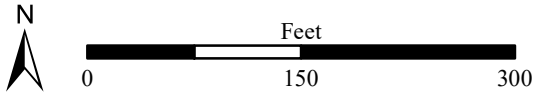
Poor (0 - 60)	Fair (61- 84)	Good (85 - 94)	Excellent (95 - 100)	Not Rated

See Appendix for definitions and formulas



MULTIPLE SURFACE TYPES: ASPHALT = 46,358 SQ FT; CONCRETE = 1,019 SQ FT.





Gettysburg National Military Park

ROUTE 0910BZ: MAINTENANCE PARKING B

Subcomponent of Route GETT-0910ZZ
Manual Rating

FROM ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))

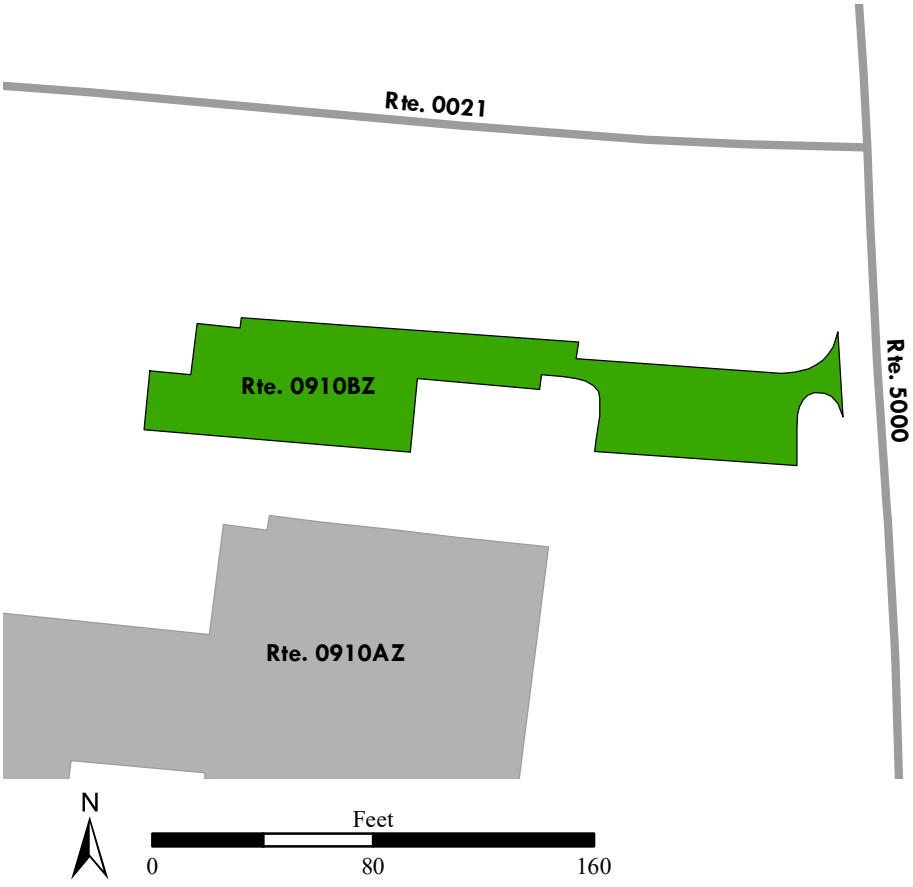
TO PARKING

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69571	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
5,744	0.099	2	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas



Gettysburg National Military Park

ROUTE 0912: LONGSTREET TOWER PARKING

Manual Rating

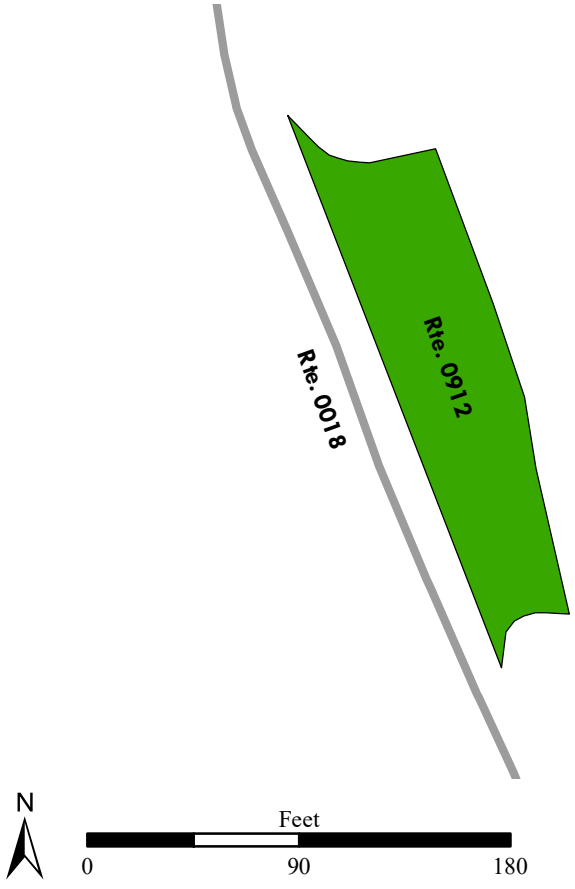
ADJACENT TO ROUTE 0018 (WEST CONFEDERATE AVENUE) AT MP 2.25 ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69543	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
7,844	0.135	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas



Gettysburg National Military Park

ROUTE 0913: SOUTH END GUIDE STATION PARKING

Manual Rating

FROM ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))

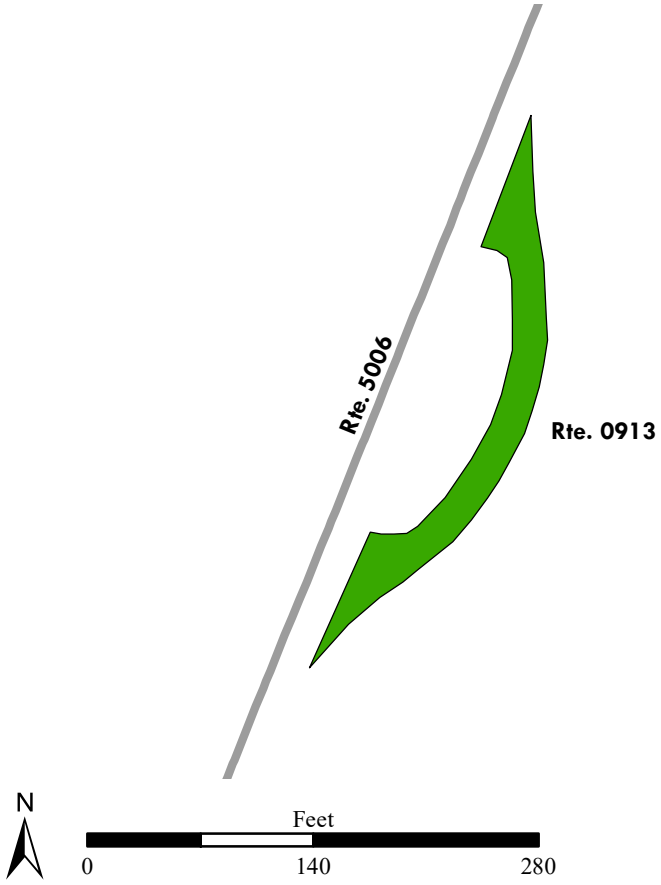
TO ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69215	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
5,964	0.103	7	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas



Gettysburg National Military Park

ROUTE 0914ZZ: DEVIL'S DEN PARKING AREAS

Summary Route
Manual Rating

ADJACENT TO ROUTE 0042 (SOUTH SICKLES AVENUE)

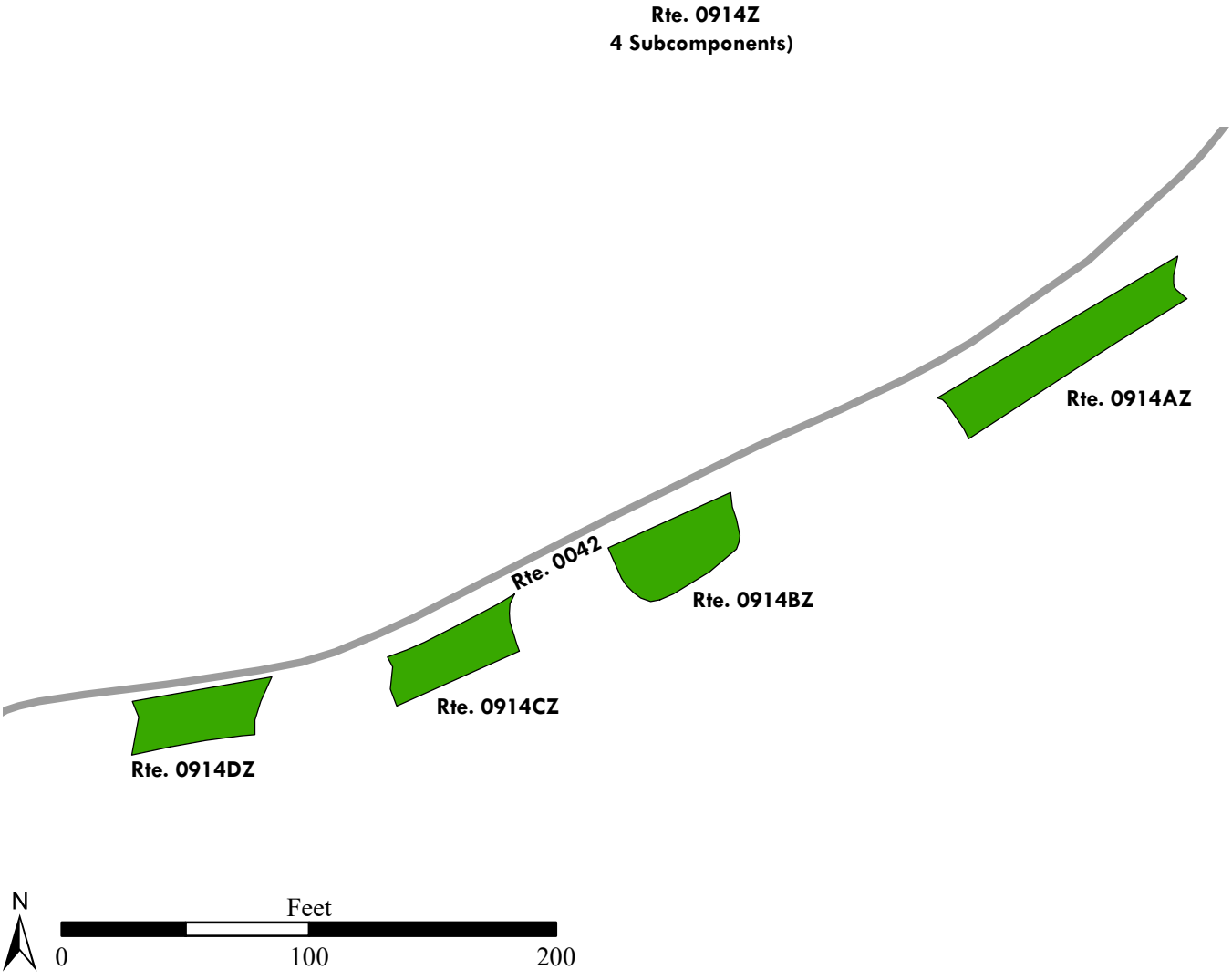
Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69309	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
4,150	0.071	SUMMARY / 90	

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

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



Gettysburg National Military Park

ROUTE 0914AZ: DEVIL'S DEN PARKING A

Subcomponent of Route GETT-0914ZZ
Manual Rating

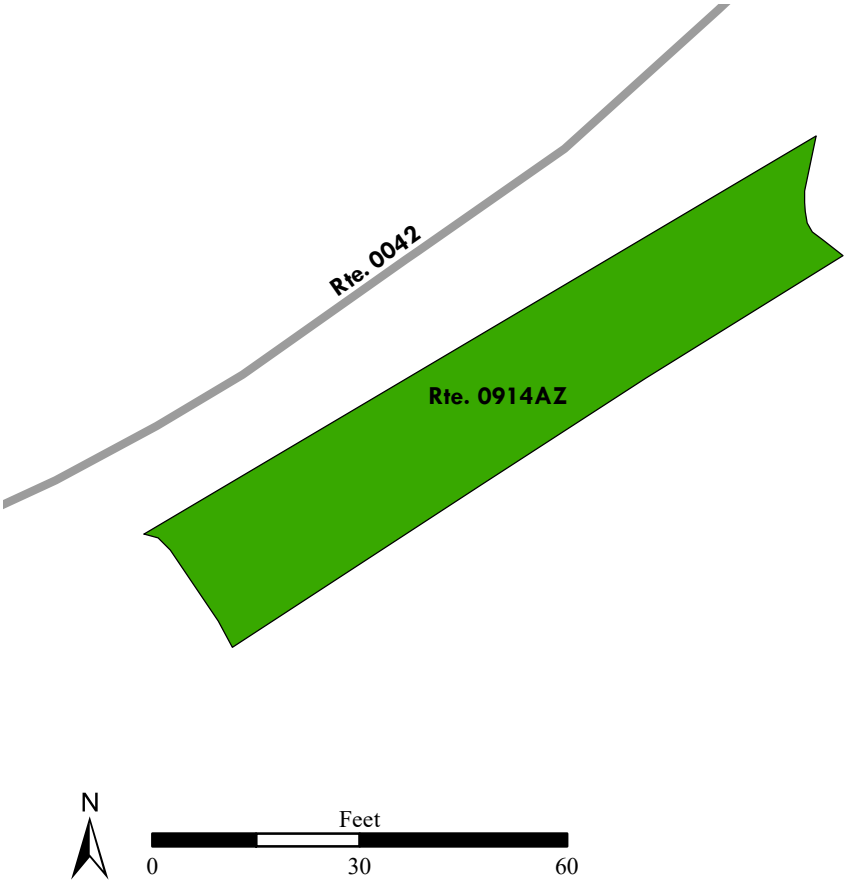
ADJACENT TO ROUTE 0042 (SOUTH SICKLES AVENUE) AT MP 0.04 ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69309	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,499	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



Gettysburg National Military Park

ROUTE 0914BZ: DEVIL'S DEN PARKING B

Subcomponent of Route GETT-0914ZZ
Manual Rating

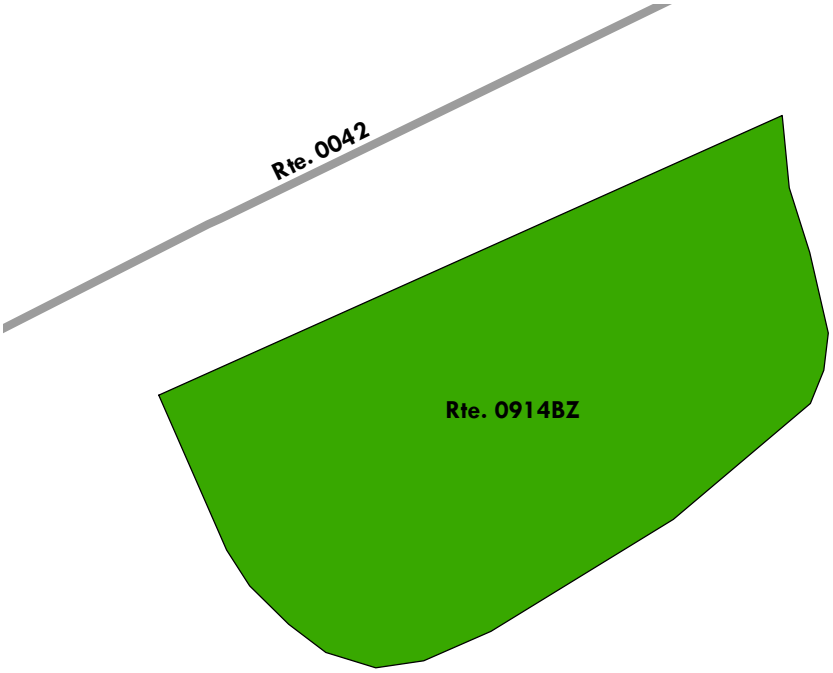
ADJACENT TO ROUTE 0042 (SOUTH SICKLES AVENUE) AT MP 0.07 ON LEFT

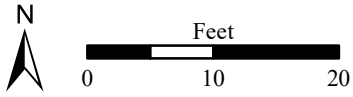
Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69309	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,004	0.017	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**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





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ROUTE 0914CZ: DEVIL'S DEN PARKING C

Subcomponent of Route GETT-0914ZZ

Manual Rating

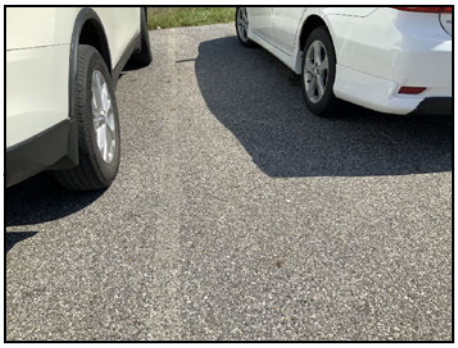
ADJACENT TO ROUTE 0042 (SOUTH SICKLES AVENUE) AT MP 0.09 ON LEFT

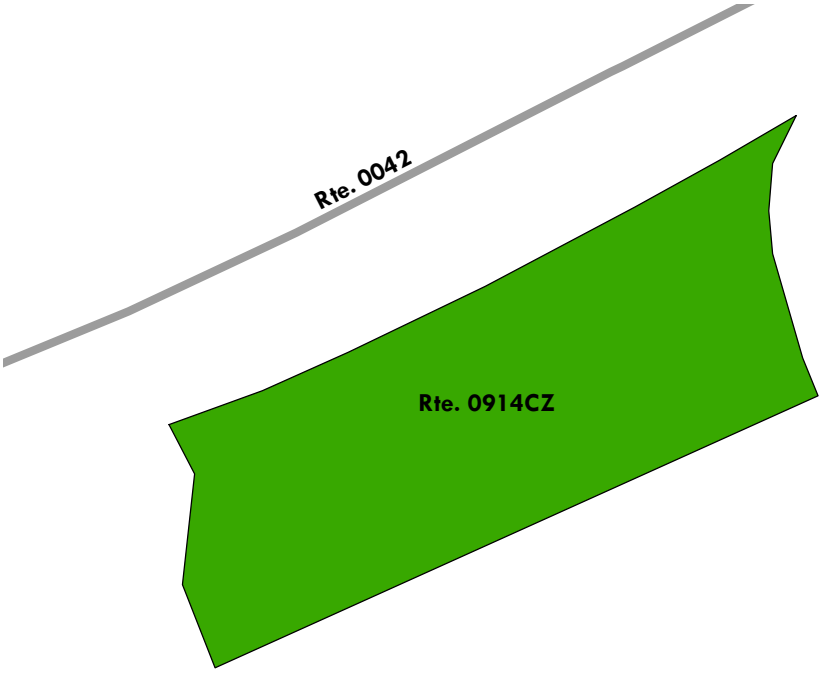
Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69309	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
817	0.014	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

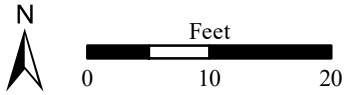
Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas







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ROUTE 0914DZ: DEVIL'S DEN PARKING D

Subcomponent of Route GETT-0914ZZ
Manual Rating

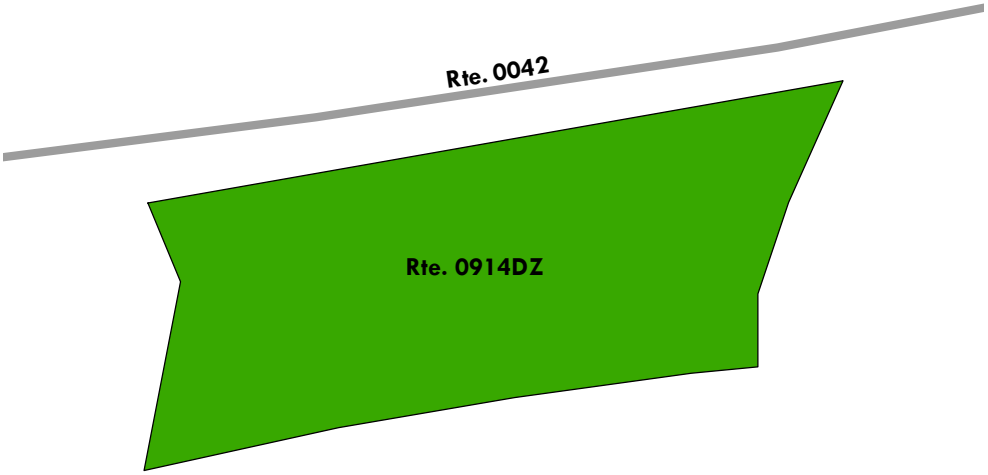
ADJACENT TO ROUTE 0042 (SOUTH SICKLES AVENUE) AT MP 0.10 ON LEFT

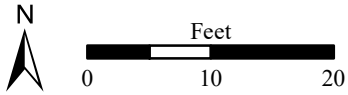
Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69309	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
830	0.014	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**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





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ROUTE 0915ZZ: LITTLE ROUND TOP PARKING AREAS

Summary Route
Manual Rating

ADJACENT TO ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) ON LEFT AND RIGHT AT MP 1.74

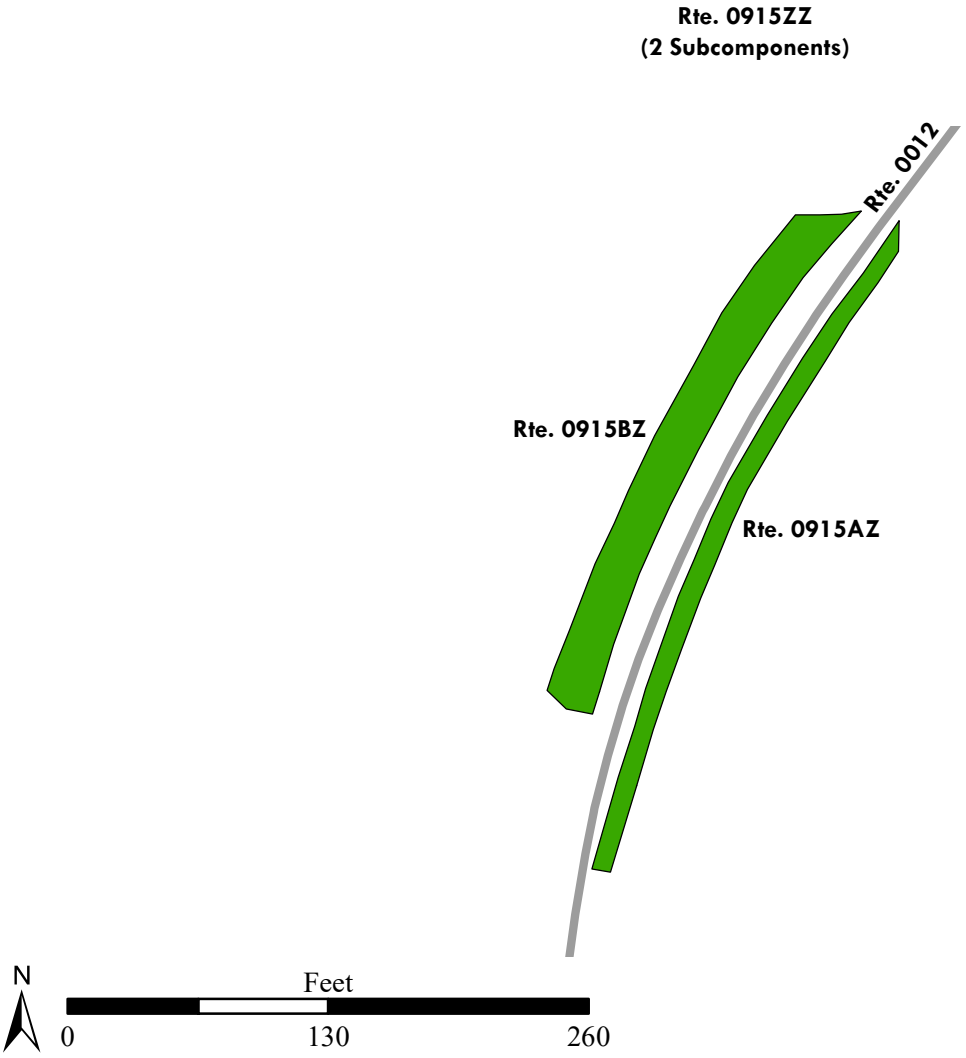
Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69300	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Condition Rating / PCR**	
7,627	0.132	SUMMARY / 90	

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

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



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ROUTE 0915AZ: LITTLE ROUND TOP PARKING A

Subcomponent of Route GETT-0915ZZ

Manual Rating

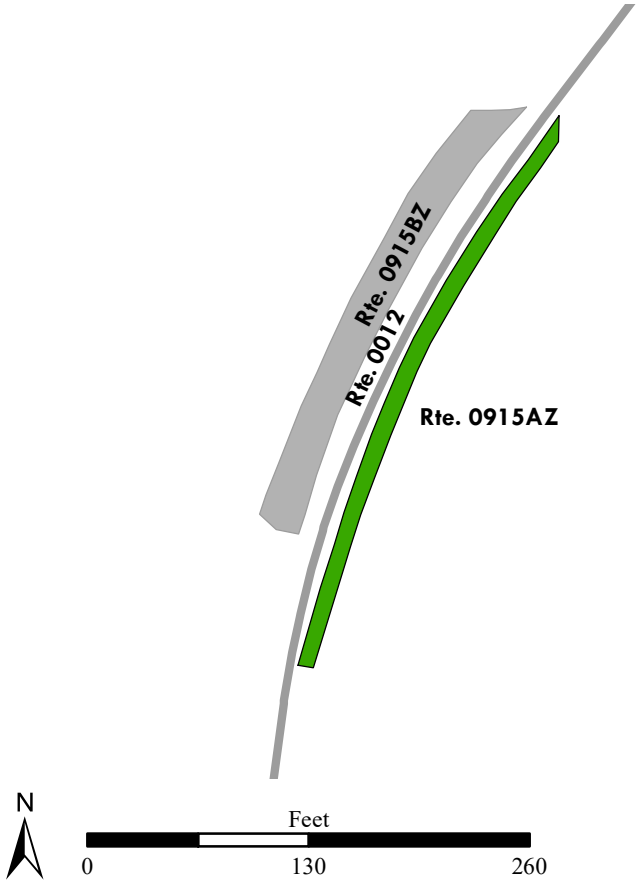
ADJACENT TO ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) AT MP 1.74 ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69300	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,702	0.047	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



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ROUTE 0915BZ: LITTLE ROUND TOP PARKING B

Subcomponent of Route GETT-0915ZZ
Manual Rating

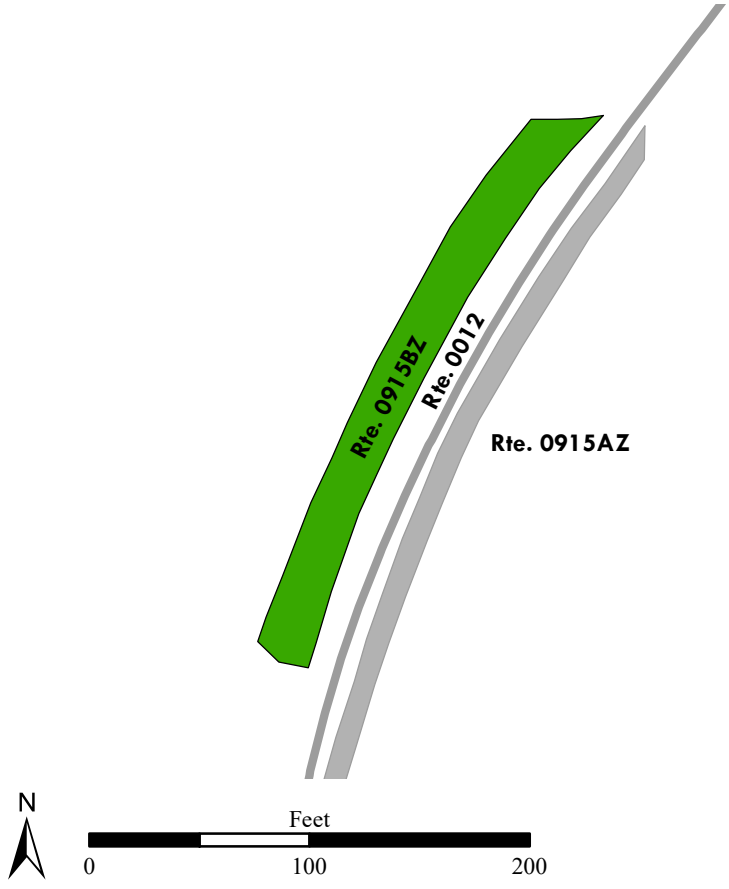
ADJACENT TO ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) AT MP 1.74 ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69300	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
4,925	0.085	3	DO NOTHING
Curb Type		**Curb & Gutter Type**	
STONE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas



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ROUTE 0916: BIG ROUND TOP PARKING

Manual Rating

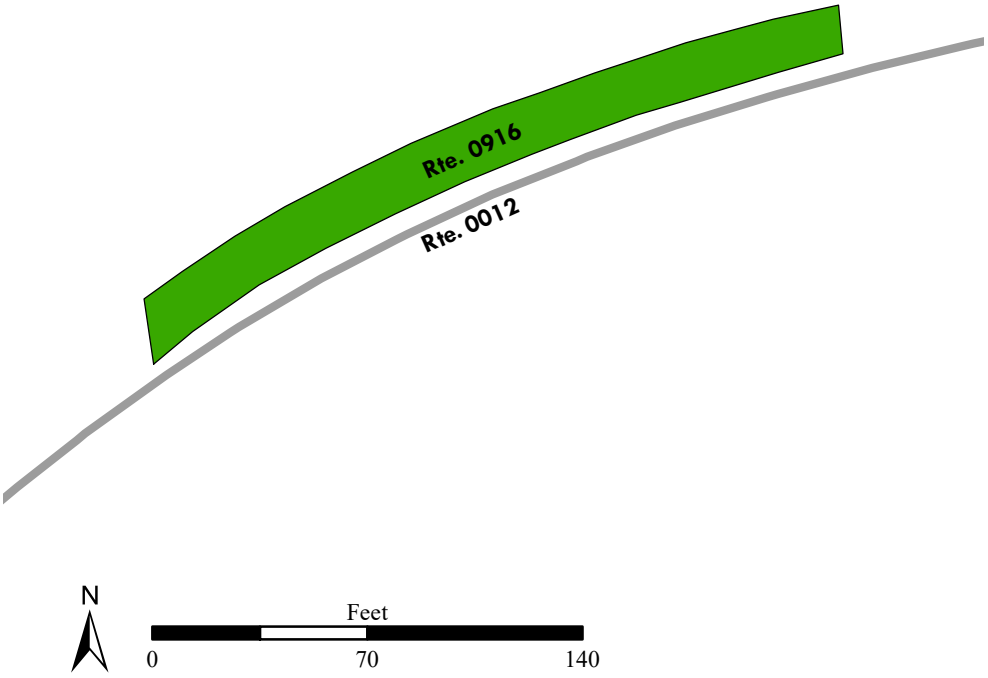
ADJACENT TO ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) AT MP 1.33 ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69290	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
3,411	0.059	3	DO NOTHING
Curb Type		**Curb & Gutter Type**	
STONE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas



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ROUTE 0917: 20TH MAINE MONUMENT PARKING

Manual Rating

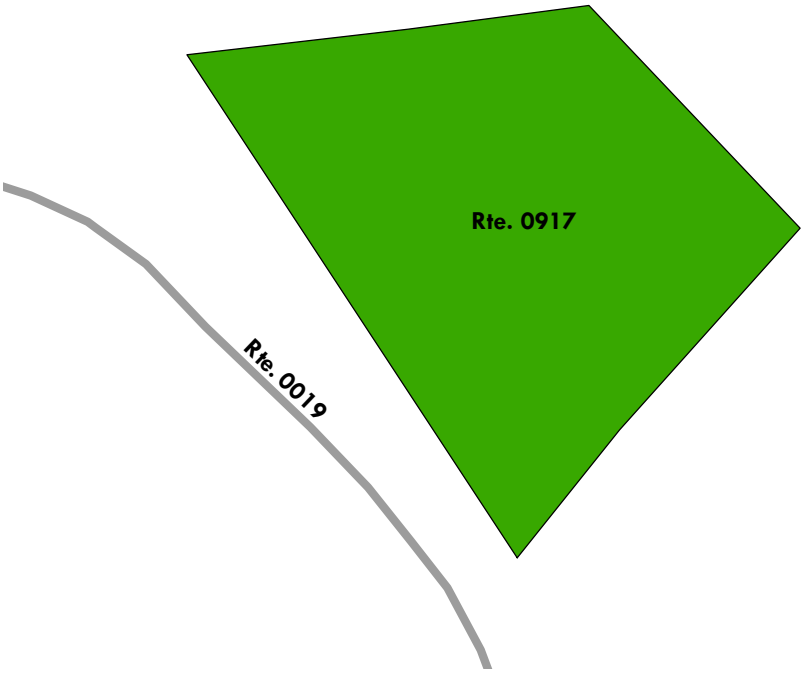
ADJACENT TO ROUTE 0019 (WRIGHT AVENUE) AT MP 0.02 ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	69435	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
1,206	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



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ROUTE 0920: VISITOR CENTER BUS PARKING AREA

Manual Rating

FROM ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.09 ON LEFT

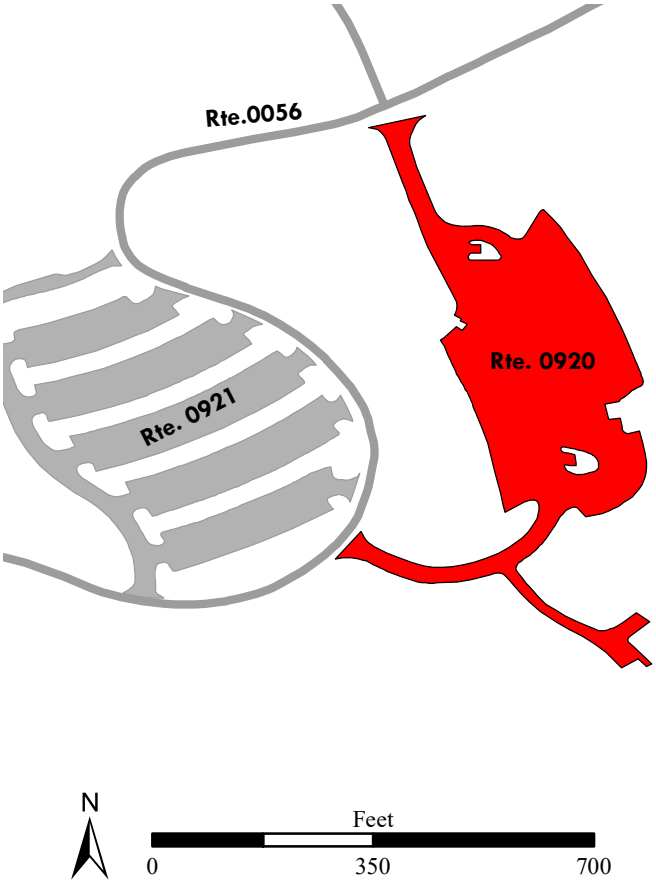
TO ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.29 ON LEFT

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	115829	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
100,640	1.733	6	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



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ROUTE 0921: VISITOR CENTER PARKING AREA 1

Manual Rating

FROM ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.17 ON RIGHT

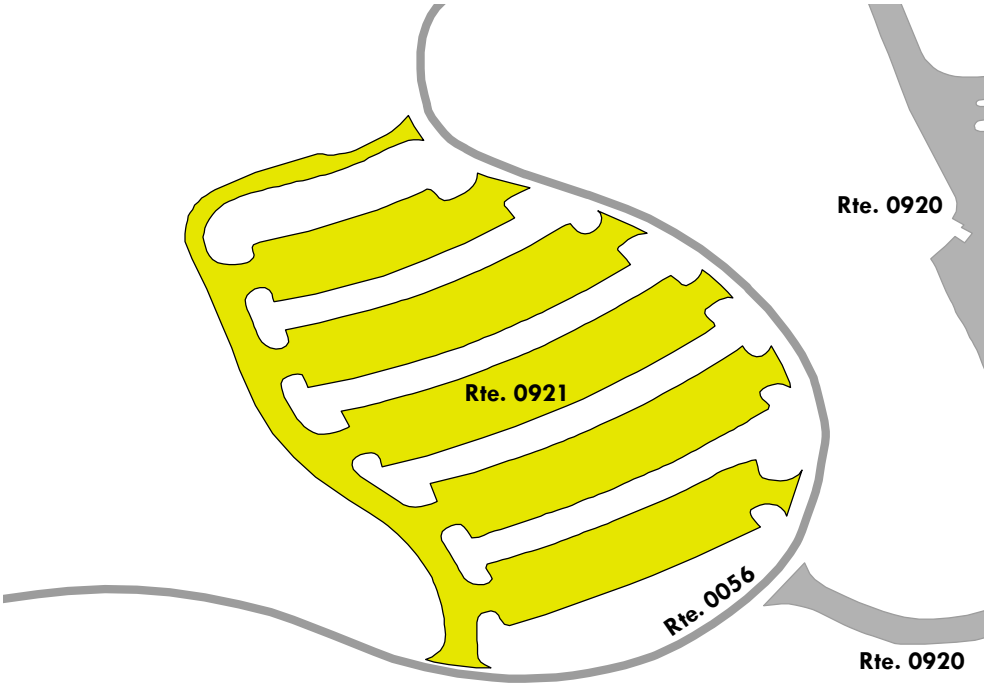
TO ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.34 ON RIGHT

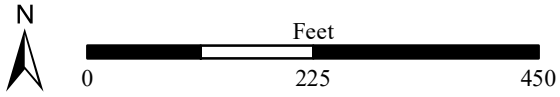
Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	115830	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
97,506	1.679	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition 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





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ROUTE 0922: VISITOR CENTER PARKING AREA 2

Manual Rating

FROM ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.40 ON RIGHT

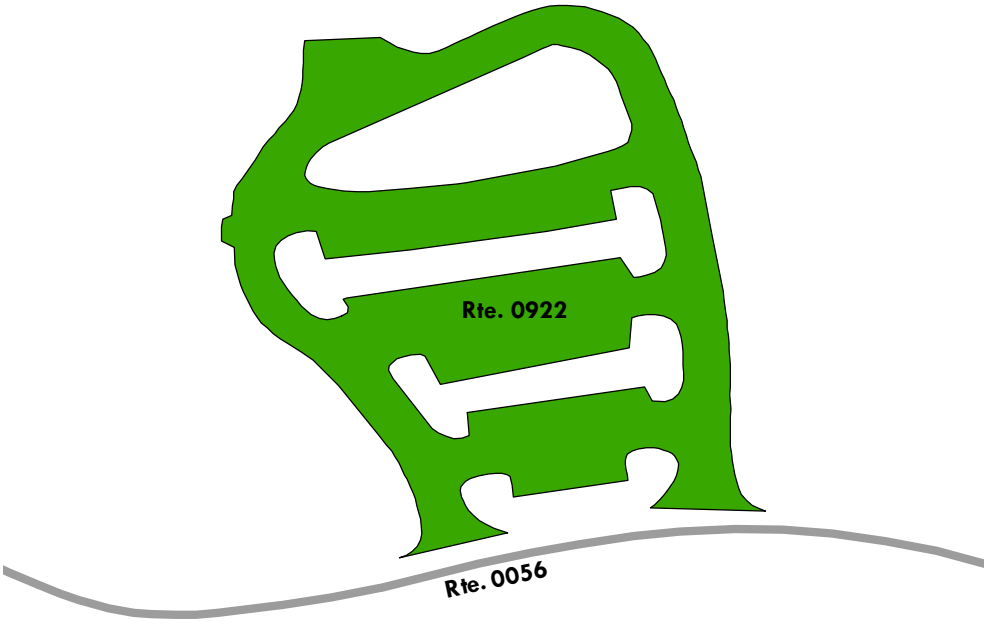
TO ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.42 ON RIGHT

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	115831	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
44,941	0.774	6	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas



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ROUTE 0923: VISITOR CENTER PARKING AREA 3

Manual Rating

FROM ROUTE 0056 (VISITOR CENTER DRIVE) AT MP 0.65 ON RIGHT

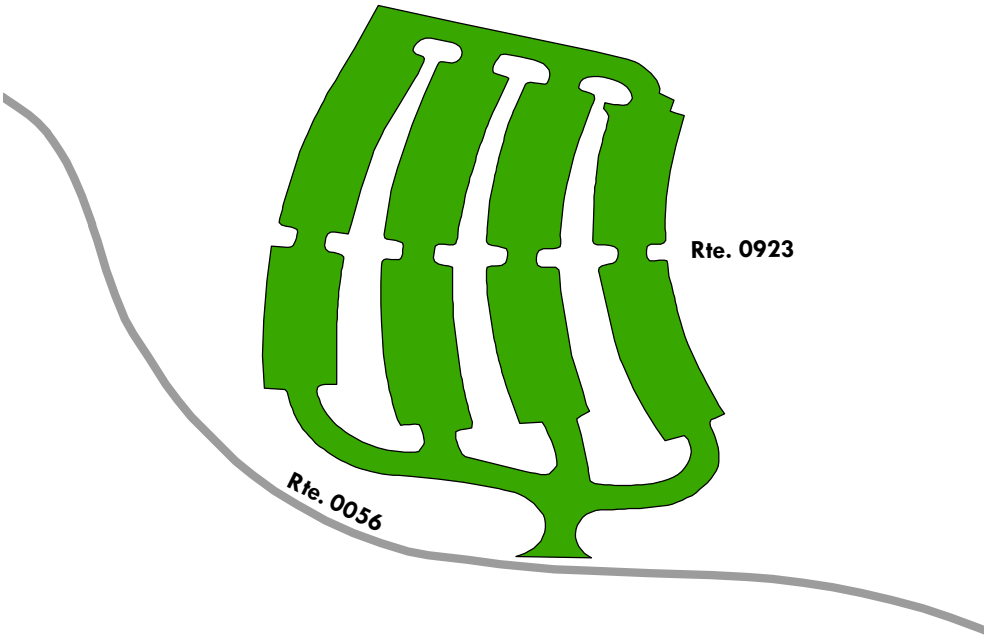
TO PARKING

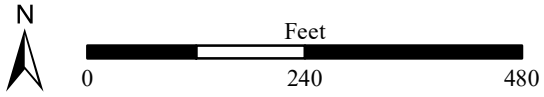
Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	115832	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
116,375	2.004	7	DO NOTHING
Curb Type		**Curb & Gutter Type**	
CONCRETE		NO CURB AND GUTTER	
Pavement Recommendation		**Condition Rating / PCR**	
PREVENTIVE MAINTENANCE		GOOD / 90	

Route Condition Legend – Pavement Condition Rating (PCR)

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

See Appendix for definitions and formulas





Gettysburg National Military Park

ROUTE 0924: NATIONAL CEMETERY ANNEX HANDICAPPED PARKING

Manual Rating

FROM ROUTE 0911 (GETTYSBURG NATIONAL CEMETERY ANNEX PARKING)

TO PARKING

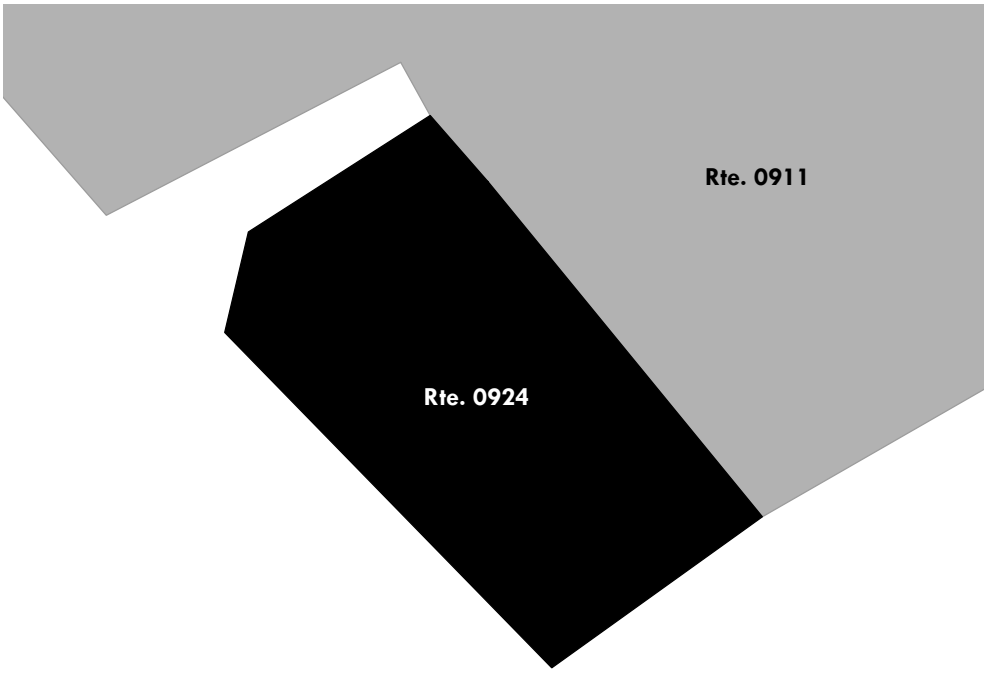
Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	N/A	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
855	0.015	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**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

NOT RATED BECAUSE MAJORITY OF SURFACE WAS COVERED WITH GRAVEL.



Gettysburg National Military Park

ROUTE 0937: GETTYSBURG ARMORY PARKING AREA B

Manual Rating

FROM ROUTE 0419 (GETTYSBURG ARMORY DRIVE 2)

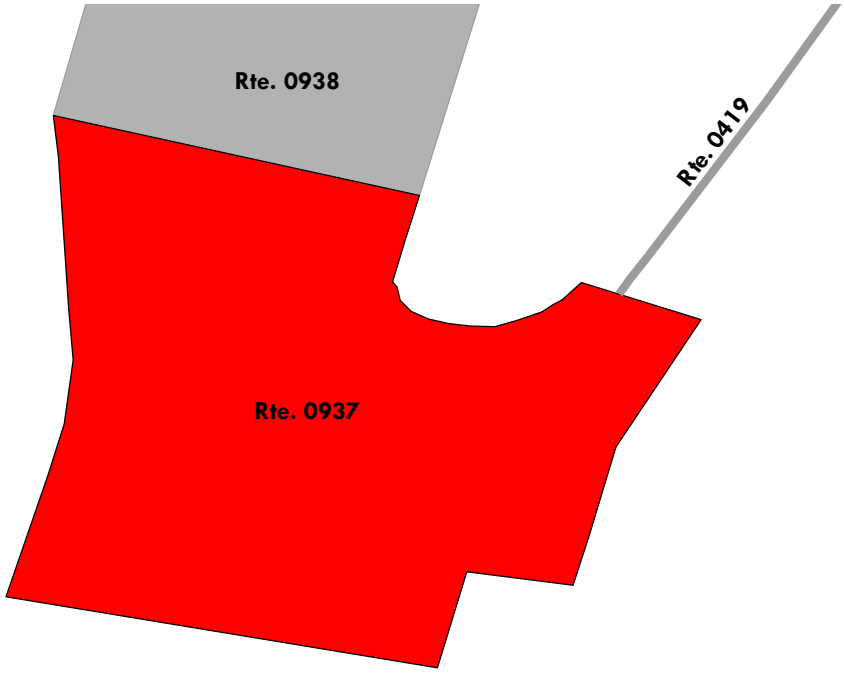
TO ROUTE 0938 (GETTYSBURG ARMORY FENCED PARKING CAMPGROUND)

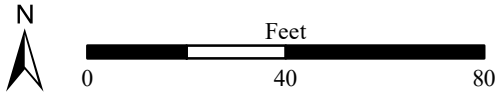
Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	241824	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
7,286	0.125	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**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





Gettysburg National Military Park

ROUTE 0938: GETTYSBURG ARMORY FENCED PARKING CAMPGROUND

Manual Rating

FROM ROUTE 0418 (GETTYSBURG ARMORY DRIVE)

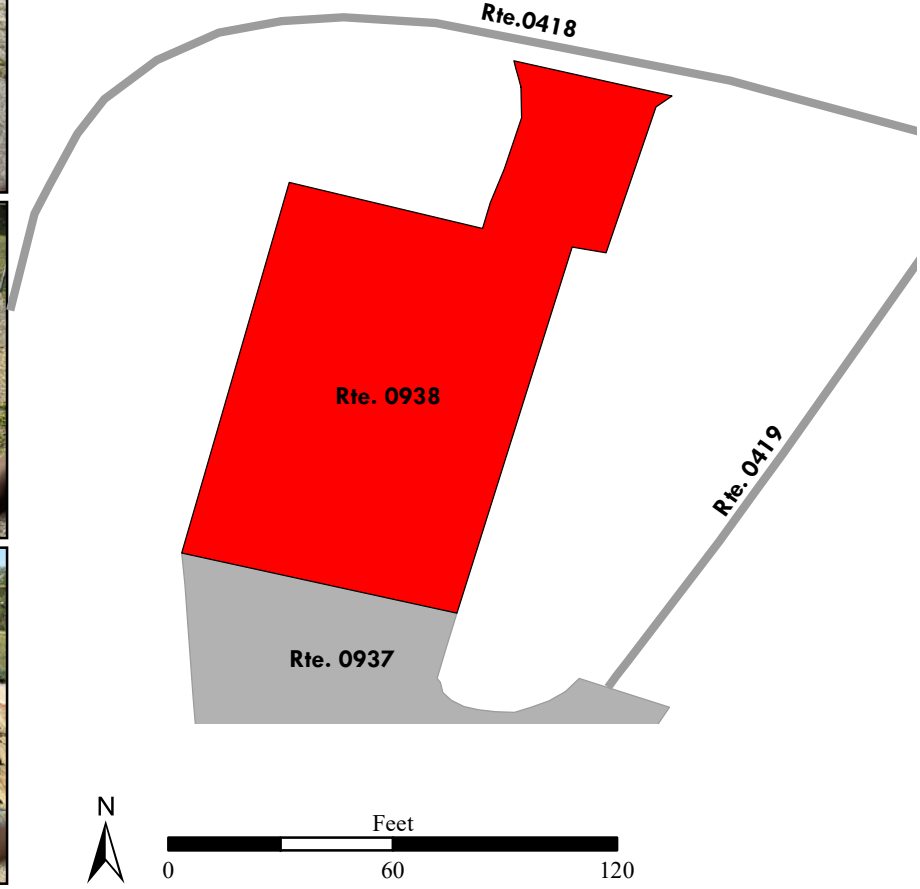
TO ROUTE 0937 (GETTYSBURG ARMORY PARKING AREA B)

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	241827	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
7,246	0.125	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



Gettysburg National Military Park

ROUTE 0942: GETTYSBURG ARMORY CONCRETE PARKING APRON

Manual Rating

FROM ROUTE 0418 (GETTYSBURG ARMORY DRIVE)

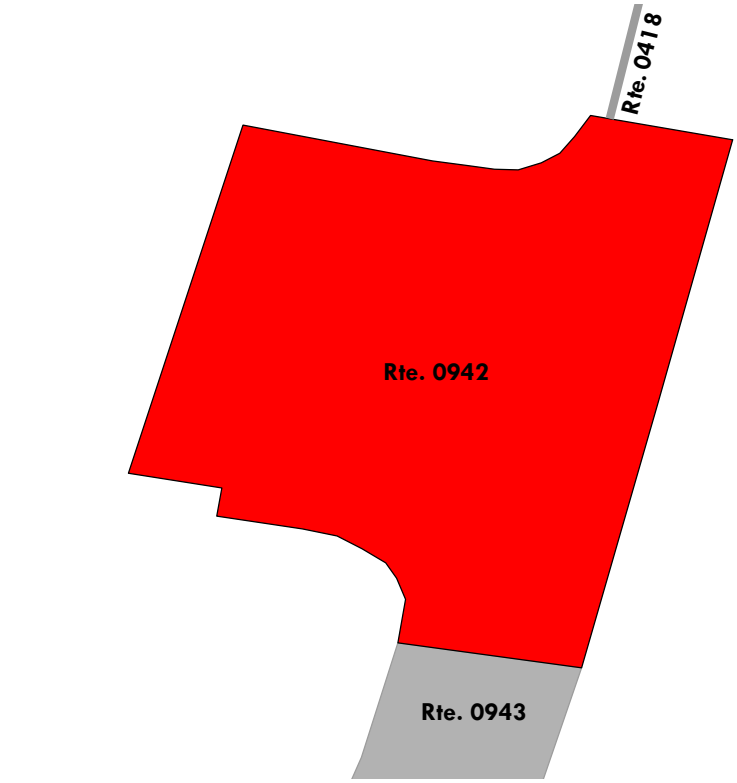
TO ROUTE 0943 (GETTYSBURG ARMORY PARKING AREA A)

Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	241826	PUBLIC	CONCRETE
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
2,776	0.048	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



Gettysburg National Military Park

ROUTE 0943: GETTYSBURG ARMORY PARKING AREA A

Manual Rating

FROM ROUTE 0942 (GETTYSBURG ARMORY CONCRETE PARKING APRON)

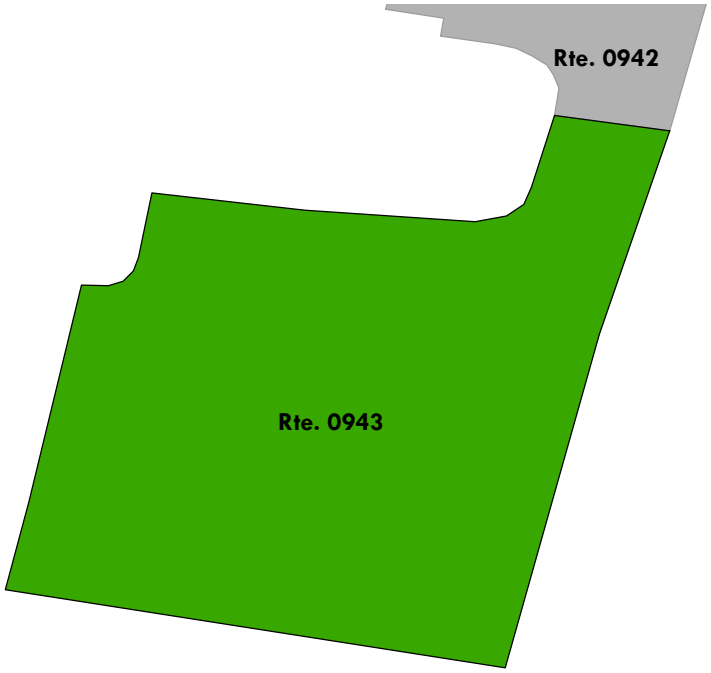
TO PARKING

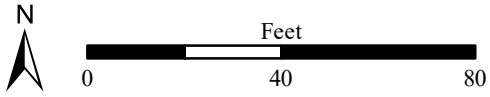
Inspection Date	FMSS Number	User Access	Surface Type
6/15/2020	241823	PUBLIC	ASPHALT
Area (Sq. Ft.)	**Lane Miles (11' Widths)**	**Curb Reveal (Inches)**	**Curb Recommendation**
7,465	0.129	NOT APPLICABLE	NOT APPLICABLE
Curb Type		**Curb & Gutter Type**	
NO CURB		NO CURB AND GUTTER	
Pavement Recommendation		**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





Section 7
Road Milepost Information

Gettysburg National Military Park

Federal Lands Highway
Road Inventory Program

Road Milepost Information

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

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

Where to find the latest Features Inventories for NPS Parks:

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

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

Milepost Events Verified in Cycle 6

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

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

GPS Mileage Matching

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

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

Locating Mile Marker Signs

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

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

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

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

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

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

GETT: Route Milepost Log

ROUTE 0010: HANCOCK AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0014 (UNITED STATES AVENUE)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	N/A	ROUTE 0011 (SEDGWICK AVENUE)
0.31	0.31	INTERSECTION	R	ROUTE 0022 (HUMPHREYS AVENUE)
0.45	0.45	INTERSECTION	R	ROUTE 0021 (PLEASONTON AVENUE)
1.08	1.08	ONE-WAY END	N/A	N/A
1.08	1.08	INTERSECTION	R	ROUTE 0904 (NATIONAL CEMETERY PARKING)
1.15	1.15	INTERSECTION	L	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))
1.15	1.15	INTERSECTION	R	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))

ROUTE 0011: SEDGWICK AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	N/A	ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE)
0.00	0.00	INTERSECTION	R	ROUTE 0013 (WHEATFIELD ROAD)
0.00	0.00	INTERSECTION	L	ROUTE 0013 (WHEATFIELD ROAD)
0.52	0.52	INTERSECTION	L	ROUTE 0417 (GEORGE WEIKERT LANE)
0.53	0.53	INTERSECTION	N/A	ROUTE 0010 (HANCOCK AVENUE)
0.53	0.53	INTERSECTION	L	ROUTE 0014 (UNITED STATES AVENUE)
0.53	0.53	ONE-WAY END	N/A	N/A

GETT: Route Milepost Log

ROUTE 0012: SOUTH CONFEDERATE-SYKES AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0018 (WEST CONFEDERATE AVENUE)
0.00	0.00	INTERSECTION	L	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))
0.00	0.00	INTERSECTION	R	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))
0.08	0.08	INTERSECTION	L	ROUTE 0402AZ (BUSHMAN FARM LANE A)
0.20	0.20	INTERSECTION	R	ROUTE 0919 (PICNIC PARKING AREA)
0.25	0.25	ONE-WAY START	N/A	N/A
0.25	0.25	INTERSECTION	R	ROUTE 0919 (PICNIC PARKING AREA)
0.98	0.99	BRIDGE	N/A	4400-002 (SOUTH CONFEDERATE AVENUE BRIDGE)
1.33	1.33	INTERSECTION	L	ROUTE 0916 (BIG ROUND TOP PARKING)
1.55	1.55	INTERSECTION	L	ROUTE 0016 (WARREN AVENUE)
1.55	1.55	INTERSECTION	R	ROUTE 0019 (WRIGHT AVENUE)
1.56	1.56	INTERSECTION	L	ROUTE 0016 (WARREN AVENUE) SPUR
1.74	1.74	INTERSECTION	R	ROUTE 0915AZ (LITTLE ROUND TOP PARKING A)
1.74	1.74	INTERSECTION	L	ROUTE 0915BZ (LITTLE ROUND TOP PARKING B)
1.96	1.96	INTERSECTION	L	ROUTE 0013 (WHEATFIELD ROAD)
1.96	1.96	INTERSECTION	R	ROUTE 0013 (WHEATFIELD ROAD)
1.96	1.96	INTERSECTION	N/A	ROUTE 0011 (SEDGWICK AVENUE)
1.96	1.96	ONE-WAY END	N/A	N/A

GETT: Route Milepost Log

ROUTE 0013: WHEATFIELD ROAD

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))
0.00	0.00	INTERSECTION	R	ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))
0.01	0.01	INTERSECTION	L	PAVED PARKING (RESTAURANT / NON NPS)
0.10	0.10	INTERSECTION	R	ROUTE 0933AZ (WHEATFIELD ROAD PARKING AREA)
0.14	0.14	INTERSECTION	R	ROUTE 0933AZ (WHEATFIELD ROAD PARKING AREA)
0.17	0.17	INTERSECTION	L	ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE)
0.17	0.17	INTERSECTION	R	ROUTE 0011 (SEDGWICK AVENUE)
0.43	0.43	INTERSECTION	L	ROUTE 0017 (CRAWFORD AVENUE)
0.43	0.43	INTERSECTION	R	ROUTE 0415 (ALTHOFF FARM LANE)
0.48	0.48	BRIDGE	N/A	4400-006 (WHEATFIELD ROAD BRIDGE)
0.54	0.54	INTERSECTION	L	ROUTE 0044 (AYERS AVENUE)
0.82	0.82	INTERSECTION	L	ROUTE 0042 (SOUTH SICKLES AVENUE)
1.00	1.00	INTERSECTION	R	ROUTE 0015 (NORTH SICKLES AVENUE)
1.08	1.08	INTERSECTION	L	ROUTE 0202 (BIRNEY AVENUE)
1.16	1.16	INTERSECTION	L	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))
1.16	1.16	INTERSECTION	R	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))
1.16	1.16	INTERSECTION	N/A	ROUTE 0053 (MILLERSTOWN ROAD)

GETT: Route Milepost Log

ROUTE 0014: UNITED STATES AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	L	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))
0.00	0.00	INTERSECTION	R	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))
0.10	0.10	INTERSECTION	L	ROUTE 0015 (NORTH SICKLES AVENUE)
0.11	0.11	INTERSECTION	R	ROUTE 0015 (NORTH SICKLES AVENUE)
0.30	0.30	INTERSECTION	L	UNPAVED ROUTE (NON NPS)
0.33	0.33	INTERSECTION	L	UNPAVED ROUTE (NON NPS)
0.35	0.35	INTERSECTION	L	ROUTE 0935 (TROSTLE HOUSE PARKING AREA)
0.43	0.43	BRIDGE	N/A	4400-005 (UNITED STATES AVENUE BRIDGE)
0.68	0.68	INTERSECTION	R	ROUTE 0417 (GEORGE WEIKERT LANE)
0.79	0.79	INTERSECTION	L	ROUTE 0010 (HANCOCK AVENUE)
0.79	0.79	INTERSECTION	R	ROUTE 0011 (SEDGWICK AVENUE)
0.79	0.79	ONE-WAY END	N/A	N/A

ROUTE 0015: NORTH SICKLES AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0013 (WHEATFIELD ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0013 (WHEATFIELD ROAD)
0.00	0.00	ONE-WAY START	N/A	N/A
0.21	0.21	INTERSECTION	L	ROUTE 0014 (UNITED STATES AVENUE)
0.21	0.21	INTERSECTION	R	ROUTE 0014 (UNITED STATES AVENUE)
0.40	0.40	INTERSECTION	L	ROUTE 0416 (KLINGLEL HOUSE LANE)
0.56	0.56	ONE-WAY END	N/A	N/A
0.56	0.56	INTERSECTION	R	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))
0.56	0.56	INTERSECTION	L	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))

GETT: Route Milepost Log

ROUTE 0016: WARREN AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0017 (CRAWFORD AVENUE)
0.00	0.00	INTERSECTION	R	ROUTE 0042 (SOUTH SICKLES AVENUE)
0.00	0.00	ONE-WAY START	N/A	N/A
0.01	0.01	BRIDGE	N/A	4400-004 (WARREN AVENUE BRIDGE)
0.04	0.04	INTERSECTION	R	UNPAVED ROUTE (OFFICIAL VEHICLES ONLY)
0.28	0.28	INTERSECTION	L	ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE) SPUR
0.30	0.30	ONE-WAY END	N/A	N/A
0.30	0.30	INTERSECTION	L	ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE)
0.30	0.30	INTERSECTION	R	ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE)
0.30	0.30	INTERSECTION	N/A	ROUTE 0019 (WRIGHT AVENUE)

ROUTE 0017: CRAWFORD AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0013 (WHEATFIELD ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0013 (WHEATFIELD ROAD)
0.00	0.00	INTERSECTION	N/A	ROUTE 0415 (ALTHOFF FARM LANE)
0.00	0.00	ONE-WAY START	N/A	N/A
0.03	0.04	BRIDGE	N/A	4400-003 (CRAWFORD AVENUE BRIDGE)
0.35	0.35	INTERSECTION	L	ROUTE 0016 (WARREN AVENUE)
0.35	0.35	INTERSECTION	N/A	ROUTE 0042 (SOUTH SICKLES AVENUE)
0.35	0.35	ONE-WAY END	N/A	N/A

GETT: Route Milepost Log

ROUTE 0018: WEST CONFEDERATE AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0040 (SEMINARY RIDGE AVENUE)
0.00	0.00	INTERSECTION	R	PAVED ROUTE (STATE ROUTE 116 (FAIRFIELD ROAD / NON NPS))
0.00	0.00	INTERSECTION	L	PAVED ROUTE (STATE ROUTE 116 (WEST MIDDLE STREET/ NON NPS))
0.61	0.61	ONE-WAY START	N/A	N/A
0.61	0.61	INTERSECTION	R	ROUTE 0401 (MCMILLAN WOODS LANE)
0.97	0.97	CULVERT	N/A	4400-009 (WEST CONFEDERATE AVENUE CULVERT #1)
1.13	1.13	INTERSECTION	L	ROUTE 0908 (VIRGINIA MEMORIAL LOOP PARKING)
1.15	1.15	INTERSECTION	L	ROUTE 0908 (VIRGINIA MEMORIAL LOOP PARKING)
1.42	1.42	CULVERT	N/A	4400-010 (WEST CONFEDERATE AVENUE CULVERT #2)
1.72	1.72	INTERSECTION	R	ROUTE 0020 (BERDAN AVENUE)
1.77	1.77	INTERSECTION	R	ROUTE 0411 (AMPHITHEATER ROAD)
1.86	1.86	INTERSECTION	R	ROUTE 0411 (AMPHITHEATER ROAD)
2.12	2.12	INTERSECTION	R	PAVED ROUTE (MILLERSTOWN ROAD / NON NPS)
2.12	2.12	INTERSECTION	L	ROUTE 0053 (MILLERSTOWN ROAD)
2.25	2.25	INTERSECTION	L	ROUTE 0912 (LONGSTREET TOWER PARKING)
2.83	2.83	ONE-WAY END	N/A	N/A
2.83	2.83	INTERSECTION	R	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))
2.83	2.83	INTERSECTION	N/A	ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE)
2.83	2.83	INTERSECTION	L	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))

GETT: Route Milepost Log

ROUTE 0019: WRIGHT AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE)
0.00	0.00	INTERSECTION	N/A	ROUTE 0016 (WARREN AVENUE)
0.00	0.00	INTERSECTION	R	ROUTE 0012 (SOUTH CONFEDERATE-SYKES AVENUE)
0.02	0.02	INTERSECTION	L	ROUTE 0917 (20TH MAINE MONUMENT PARKING)
0.43	0.43	INTERSECTION	R	PAVED ROUTE (PRIVATE DRIVE)
0.56	0.56	INTERSECTION	L	ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))
0.56	0.56	INTERSECTION	N/A	ROUTE 0054 (HOWE AVENUE)
0.56	0.56	INTERSECTION	R	ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))

ROUTE 0020: BERDAN AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0018 (WEST CONFEDERATE AVENUE)
0.00	0.00	INTERSECTION	R	ROUTE 0018 (WEST CONFEDERATE AVENUE)
0.03	0.03	INTERSECTION	L	UNPAVED ROUTE
0.04	0.04	INTERSECTION	L	UNPAVED ROUTE
0.07	0.07	INTERSECTION	L	ROUTE 0020 (BERDAN AVENUE)
0.07	0.07	ONE-WAY START	N/A	N/A
0.12	0.12	INTERSECTION	L	ROUTE 0020 (BERDAN AVENUE)
0.12	0.12	ONE-WAY END	N/A	N/A
0.12	0.12	INTERSECTION	R	ROUTE 0020 (BERDAN AVENUE)

GETT: Route Milepost Log

ROUTE 0021: PLEASONTON AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))
0.00	0.00	INTERSECTION	R	ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))
0.07	0.07	INTERSECTION	L	ROUTE 0910AZ (MAINTENANCE PARKING A)
0.23	0.23	INTERSECTION	L	ROUTE 0022 (HUMPHREYS AVENUE)
0.31	0.31	INTERSECTION	L	ROUTE 0010 (HANCOCK AVENUE)
0.31	0.31	INTERSECTION	R	ROUTE 0010 (HANCOCK AVENUE)

ROUTE 0022: HUMPHREYS AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	L	ROUTE 0021 (PLEASONTON AVENUE)
0.00	0.00	INTERSECTION	R	ROUTE 0021 (PLEASONTON AVENUE)
0.04	0.04	INTERSECTION	L	ROUTE 0909 (PENNSYLVANIA MONUMENT PARKING)
0.04	0.04	ONE-WAY END	N/A	N/A
0.10	0.10	INTERSECTION	R	ROUTE 0010 (HANCOCK AVENUE)
0.10	0.10	INTERSECTION	L	ROUTE 0010 (HANCOCK AVENUE)

GETT: Route Milepost Log

ROUTE 0023: REYNOLDS AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	PAVED ROUTE (STATE ROUTE 116 (FAIRFIELD ROAD / NON NPS))
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	PAVED ROUTE (STATE ROUTE 116 (FAIRFIELD ROAD / NON NPS))
0.47	0.47	INTERSECTION	L	ROUTE 0024 (STONE-MEREDITH AVENUE)
0.71	0.71	INTERSECTION	L	ROUTE 5001 (U.S. HIGHWAY 30 (CHAMBERSBURG ROAD AND LINCOLN HIGHWAY))
0.71	0.71	INTERSECTION	R	ROUTE 5001 (U.S. HIGHWAY 30 (CHAMBERSBURG ROAD AND LINCOLN HIGHWAY))
0.71	0.71	ONE-WAY END	N/A	N/A
0.79	0.80	BRIDGE	N/A	4400-001 (REYNOLDS AVENUE BRIDGE)
0.99	0.99	INTERSECTION	R	ROUTE 0027 (WADSWORTH AVENUE)
0.99	0.99	INTERSECTION	L	ROUTE 0025 (BUFORD AVENUE)

ROUTE 0024: STONE-MEREDITH AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 5001 (U.S. HIGHWAY 30 (CHAMBERSBURG ROAD AND LINCOLN HIGHWAY))
0.00	0.00	INTERSECTION	R	ROUTE 5001 (U.S. HIGHWAY 30 (CHAMBERSBURG ROAD AND LINCOLN HIGHWAY))
0.00	0.00	ONE-WAY START	N/A	N/A
0.01	0.01	INTERSECTION	R	ROUTE 0902 (WEST END GUIDE STATION PARKING)
0.04	0.04	INTERSECTION	R	ROUTE 0925 (WEST END GUIDE STATION OVERFLOW PARKING)
0.51	0.51	ONE-WAY END	N/A	N/A
0.51	0.51	INTERSECTION	L	ROUTE 0023 (REYNOLDS AVENUE)
0.51	0.51	INTERSECTION	R	ROUTE 0023 (REYNOLDS AVENUE)

GETT: Route Milepost Log

ROUTE 0025: BUFORD AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	N/A	ROUTE 0027 (WADSWORTH AVENUE)
0.00	0.00	INTERSECTION	L	ROUTE 0023 (REYNOLDS AVENUE)
0.18	0.18	INTERSECTION	L	ROUTE 0407 (WILLS-WINEBRENNER FARM LANE)
0.64	0.64	ONE-WAY END	N/A	N/A
0.64	0.64	INTERSECTION	L	ROUTE 5005 (MUMMASBURG ROAD)
0.64	0.64	INTERSECTION	R	ROUTE 5005 (MUMMASBURG ROAD)
0.64	0.64	INTERSECTION	N/A	ROUTE 0026 (NORTH CONFEDERATE AVENUE)

ROUTE 0026: NORTH CONFEDERATE AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 5005 (MUMMASBURG ROAD)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	L	ROUTE 5005 (MUMMASBURG ROAD)
0.00	0.00	INTERSECTION	N/A	ROUTE 0025 (BUFORD AVENUE)
0.13	0.13	INTERSECTION	R	ROUTE 0900AZ (ETERNAL PEACE LIGHT MEMORIAL PARKING A)
0.13	0.13	INTERSECTION	L	ROUTE 0900BZ (ETERNAL PEACE LIGHT MEMORIAL PARKING B)
0.36	0.36	INTERSECTION	L	ROUTE 5005 (MUMMASBURG ROAD)
0.36	0.36	INTERSECTION	N/A	ROUTE 0055 (DOUBLEDAY AVENUE)
0.36	0.36	INTERSECTION	R	ROUTE 5005 (MUMMASBURG ROAD)
0.36	0.36	ONE-WAY END	N/A	N/A

GETT: Route Milepost Log

ROUTE 0027: WADSWORTH AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0055 (DOUBLEDAY AVENUE)
0.00	0.00	INTERSECTION	L	PAVED DRIVEWAY (NON NPS)
0.16	0.16	INTERSECTION	N/A	ROUTE 0025 (BUFORD AVENUE)
0.16	0.16	INTERSECTION	L	ROUTE 0023 (REYNOLDS AVENUE)

ROUTE 0028: HOWARD AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 5005 (MUMMASBURG ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 5005 (MUMMASBURG ROAD)
0.40	0.40	INTERSECTION	R	ROUTE 5004 (PENNSYLVANIA STATE HIGHWAY 34 (BIGLERVILLE ROAD AND CARLISLE ROAD))
0.40	0.40	INTERSECTION	L	ROUTE 5004 (PENNSYLVANIA STATE HIGHWAY 34 (BIGLERVILLE ROAD AND CARLISLE ROAD))
0.40	0.40	ONE-WAY START	N/A	N/A
0.96	0.96	ONE-WAY END	N/A	N/A
0.96	0.96	INTERSECTION	L	ROUTE 5002 (BUSINESS ROUTE 15 (OLD HARRISBURG ROAD))
0.96	0.96	INTERSECTION	R	ROUTE 5002 (BUSINESS ROUTE 15 (OLD HARRISBURG ROAD))

GETT: Route Milepost Log

ROUTE 0029: EAST CONFEDERATE AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	PAVED ROUTE (EAST MIDDLE STREET/ NON NPS)
0.00	0.00	INTERSECTION	N/A	PAVED ROUTE (LIBERTY STREET / NON NPS)
0.00	0.00	INTERSECTION	L	PAVED ROUTE (EAST MIDDLE STREET/ NON NPS)
0.04	0.04	INTERSECTION	R	PAVED ROUTE (LEGION ALLEY E ROAD / NON NPS)
0.04	0.04	INTERSECTION	L	PAVED ROUTE (LEGION ALLEY E ROAD / NON NPS)
0.04	0.04	ONE-WAY START	N/A	N/A
0.04	0.04	INTERSECTION	R	PAVED ROUTE (LEFEVER STREET/ NON NPS)
0.62	0.62	CULVERT	N/A	N/A
1.37	1.37	INTERSECTION	R	ROUTE 0030 (SLOCUM AVENUE) SPUR
1.38	1.38	INTERSECTION	R	ROUTE 0030 (SLOCUM AVENUE)
1.38	1.38	INTERSECTION	L	ROUTE 0029 (EAST CONFEDERATE AVENUE)
1.38	1.38	ONE-WAY END	N/A	N/A

GETT: Route Milepost Log

ROUTE 0030: SLOCUM AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0034 (COLGROVE-CARMAN AVENUE)
0.00	0.00	INTERSECTION	L	ROUTE 0034 (COLGROVE-CARMAN AVENUE)
0.00	0.00	ONE-WAY START	N/A	N/A
0.08	0.08	INTERSECTION	R	ROUTE 0029 (EAST CONFEDERATE AVENUE)
0.10	0.10	INTERSECTION	R	ROUTE 0029 (EAST CONFEDERATE AVENUE) SPUR
0.10	0.10	INTERSECTION	R	ROUTE 0906 (SPANGLER'S SPRING PARKING)
0.13	0.13	INTERSECTION	L	ROUTE 0033 (GEARY AVENUE)
0.39	0.39	INTERSECTION	L	ROUTE 0033 (GEARY AVENUE)
0.42	0.42	INTERSECTION	L	ROUTE 0032 (WILLIAMS AVENUE)
0.69	0.69	INTERSECTION	R	ROUTE 0052 (CULPS HILL TOWER ROAD) SPUR
0.70	0.70	INTERSECTION	R	ROUTE 0052 (CULPS HILL TOWER ROAD)
0.80	0.80	INTERSECTION	L	ROUTE 0032 (WILLIAMS AVENUE)
0.95	0.95	INTERSECTION	R	ROUTE 0041 (WAINWRIGHT AVENUE)
1.04	1.04	INTERSECTION	R	ROUTE 5003 (BALTIMORE PIKE)
1.04	1.04	INTERSECTION	L	ROUTE 5003 (BALTIMORE PIKE)
1.04	1.04	ONE-WAY END	N/A	N/A

ROUTE 0032: WILLIAMS AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0030 (SLOCUM AVENUE)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0030 (SLOCUM AVENUE)
0.31	0.31	INTERSECTION	L	ROUTE 0030 (SLOCUM AVENUE)
0.31	0.31	INTERSECTION	R	ROUTE 0030 (SLOCUM AVENUE)
0.31	0.31	ONE-WAY END	N/A	N/A

GETT: Route Milepost Log

ROUTE 0033: GEARY AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0030 (SLOCUM AVENUE)
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	N/A	ROUTE 0030 (SLOCUM AVENUE)
0.38	0.38	ONE-WAY END	N/A	N/A
0.38	0.38	INTERSECTION	R	ROUTE 0030 (SLOCUM AVENUE)
0.38	0.38	INTERSECTION	L	ROUTE 0030 (SLOCUM AVENUE)

ROUTE 0034: COLGROVE-CARMAN AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 5003 (BALTIMORE PIKE)
0.00	0.00	INTERSECTION	L	ROUTE 5003 (BALTIMORE PIKE)
0.00	0.00	ONE-WAY START	N/A	N/A
0.31	0.31	INTERSECTION	L	ROUTE 0034 (COLGROVE-CARMAN AVENUE)
0.46	0.46	INTERSECTION	R	ROUTE 0030 (SLOCUM AVENUE)
0.55	0.55	ONE-WAY END	N/A	N/A
0.55	0.55	INTERSECTION	N/A	ROUTE 0034 (COLGROVE-CARMAN AVENUE)
0.55	0.55	INTERSECTION	L	ROUTE 0034 (COLGROVE-CARMAN AVENUE)

GETT: Route Milepost Log

ROUTE 0035: HUNT AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))
0.00	0.00	INTERSECTION	L	ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))
0.03	0.03	INTERSECTION	L	ROUTE 0928 (HUNTS AVENUE OVERFLOW PARKING)
0.14	0.14	BRIDGE	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE
0.54	0.54	INTERSECTION	R	ROUTE 5003 (BALTIMORE PIKE)
0.54	0.54	INTERSECTION	L	ROUTE 5003 (BALTIMORE PIKE)

ROUTE 0036: GRANITE SCHOOL HOUSE LANE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 5003 (BALTIMORE PIKE)
0.00	0.00	INTERSECTION	R	ROUTE 5003 (BALTIMORE PIKE)
0.10	0.10	INTERSECTION	L	ROUTE 0934 (POWERS HILL PARKING AREA)
0.17	0.17	INTERSECTION	L	PAVED ROUTE (BLACK SMITH SHOP ROAD / NON NPS)
0.83	0.83	INTERSECTION	R	ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))
0.83	0.83	INTERSECTION	L	ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))

GETT: Route Milepost Log

ROUTE 0037AZ: NATIONAL CEMETERY DRIVE LOOP

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))
0.00	0.00	INTERSECTION	R	ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))
0.00	0.00	ONE-WAY START	N/A	N/A
0.02	0.02	INTERSECTION	L	ROUTE 0037AZ (NATIONAL CEMETERY DRIVE LOOP)
0.30	0.30	INTERSECTION	R	ROUTE 0037BZ (NATIONAL CEMETERY DRIVE - BALTIMORE STREET ENTRANCE)
0.32	0.32	ONE-WAY END	N/A	N/A
0.32	0.32	INTERSECTION	R	ROUTE 0037BZ (NATIONAL CEMETERY DRIVE - BALTIMORE STREET ENTRANCE)
0.61	0.61	INTERSECTION	R	ROUTE 0037AZ (NATIONAL CEMETERY DRIVE LOOP)
0.61	0.61	INTERSECTION	L	ROUTE 0037AZ (NATIONAL CEMETERY DRIVE LOOP)

ROUTE 0037BZ: NATIONAL CEMETERY DRIVE - BALTIMORE STREET ENTRANCE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0037AZ (NATIONAL CEMETERY DRIVE LOOP)
0.00	0.00	INTERSECTION	L	ROUTE 0037AZ (NATIONAL CEMETERY DRIVE LOOP)
0.02	0.02	INTERSECTION	L	ROUTE 0037CZ (NATIONAL CEMETERY DRIVE - BALTIMORE SPUR)
0.03	0.03	INTERSECTION	L	ROUTE 5003 (BALTIMORE PIKE)
0.03	0.03	INTERSECTION	R	ROUTE 5003 (BALTIMORE PIKE)

ROUTE 0037CZ: NATIONAL CEMETERY DRIVE - BALTIMORE SPUR

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0037BZ (NATIONAL CEMETERY DRIVE - BALTIMORE STREET ENTRANCE)
0.02	0.02	INTERSECTION	L	ROUTE 0037AZ (NATIONAL CEMETERY DRIVE LOOP)
0.06	0.06	INTERSECTION	R	ROUTE 0037CZ (NATIONAL CEMETERY DRIVE - BALTIMORE SPUR)
0.06	0.06	INTERSECTION	L	ROUTE 0037CZ (NATIONAL CEMETERY DRIVE - BALTIMORE SPUR)

GETT: Route Milepost Log

ROUTE 0038: BENNER HILL AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	PAVED ROUTE (STATE ROUTE 116 (HANOVER ROAD / NON NPS))
0.00	0.00	INTERSECTION	L	PAVED ROUTE (STATE ROUTE 116 (HANOVER ROAD / NON NPS))
0.00	0.00	PARK BOUNDARY	N/A	NORTH EAST MILITARY PARK BOUNDARY
0.21	0.21	INTERSECTION	L	ROUTE 0038 (BENNER HILL AVENUE)
0.25	0.25	INTERSECTION	L	ROUTE 0038 (BENNER HILL AVENUE)
0.25	0.25	INTERSECTION	R	ROUTE 0038 (BENNER HILL AVENUE)

ROUTE 0039: ROBINSON AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0055 (DOUBLEDAY AVENUE)
0.00	0.00	INTERSECTION	R	ROUTE 0055 (DOUBLEDAY AVENUE)
0.16	0.16	INTERSECTION	L	ROUTE 5005 (MUMMASBURG ROAD)
0.16	0.16	RAILROAD CROSSING	N/A	N/A
0.16	0.16	INTERSECTION	R	ROUTE 5005 (MUMMASBURG ROAD)

GETT: Route Milepost Log

ROUTE 0040: SEMINARY RIDGE AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	PAVED ROUTE (STATE ROUTE 116 (WEST MIDDLE STREET/ NON NPS))
0.00	0.00	INTERSECTION	L	PAVED ROUTE (STATE ROUTE 116 (FAIRFIELD ROAD / NON NPS))
0.00	0.00	INTERSECTION	N/A	ROUTE 0018 (WEST CONFEDERATE AVENUE)
0.06	0.06	INTERSECTION	L	PAVED ROUTE (SPRINGS AVENUE / NON NPS)
0.06	0.06	INTERSECTION	R	PAVED ROUTE (SPRINGS AVENUE / NON NPS)
0.16	0.16	INTERSECTION	L	PAVED PARKING (NON NPS)
0.19	0.19	INTERSECTION	R	PAVED PARKING (NON NPS)
0.23	0.23	INTERSECTION	L	PAVED PARKING (NON NPS)
0.29	0.29	INTERSECTION	R	PAVED PARKING (NON NPS)
0.30	0.30	INTERSECTION	R	UNPAVED PARKING (NON NPS)
0.34	0.34	INTERSECTION	R	ROUTE 5001 (U.S. HIGHWAY 30 (CHAMBERSBURG ROAD AND LINCOLN HIGHWAY))
0.34	0.34	INTERSECTION	L	ROUTE 5001 (U.S. HIGHWAY 30 (CHAMBERSBURG ROAD AND LINCOLN HIGHWAY))

ROUTE 0041: WAINWRIGHT AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 0030 (SLOCUM AVENUE)
0.00	0.00	INTERSECTION	N/A	ROUTE 0030 (SLOCUM AVENUE)
0.24	0.24	PARK BOUNDARY	N/A	CITY MILITARY PARK BOUNDARY
0.37	0.37	INTERSECTION	L	PAVED ROUTE (LOCUST AVE / NON NPS)
0.43	0.43	INTERSECTION	L	PAVED ROUTE (LEFEVER ST / NON NPS)
0.43	0.43	INTERSECTION	R	PAVED ROUTE (LEFEVER ST / NON NPS)
0.43	0.43	ONE-WAY END	N/A	N/A

GETT: Route Milepost Log

ROUTE 0042: SOUTH SICKLES AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0016 (WARREN AVENUE)
0.00	0.00	INTERSECTION	N/A	ROUTE 0017 (CRAWFORD AVENUE)
0.04	0.04	INTERSECTION	L	ROUTE 0914AZ (DEVIL'S DEN PARKING A)
0.07	0.07	INTERSECTION	L	ROUTE 0914BZ (DEVIL'S DEN PARKING B)
0.09	0.09	INTERSECTION	L	ROUTE 0914CZ (DEVIL'S DEN PARKING C)
0.09	0.09	ONE-WAY START	N/A	N/A
0.10	0.10	INTERSECTION	L	ROUTE 0914DZ (DEVIL'S DEN PARKING D)
0.46	0.46	INTERSECTION	L	ROUTE 0043 (CROSS-BROOKE- DETROBRIAND AVENUE)
0.47	0.47	INTERSECTION	R	ROUTE 0044 (AYERS AVENUE)
0.61	0.61	INTERSECTION	L	ROUTE 0043 (CROSS-BROOKE- DETROBRIAND AVENUE)
0.96	0.96	ONE-WAY END	N/A	N/A
0.96	0.96	INTERSECTION	R	ROUTE 0013 (WHEATFIELD ROAD)
0.96	0.96	INTERSECTION	L	ROUTE 0013 (WHEATFIELD ROAD)

ROUTE 0043: CROSS-BROOKE- DETROBRIAND AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0042 (SOUTH SICKLES AVENUE)
0.00	0.00	INTERSECTION	L	ROUTE 0042 (SOUTH SICKLES AVENUE)
0.00	0.00	INTERSECTION	N/A	ROUTE 0044 (AYERS AVENUE)
0.00	0.00	ONE-WAY START	N/A	N/A
0.27	0.27	CULVERT	N/A	4400-007 (CROSS AVENUE CULVERT)
0.56	0.56	CULVERT	N/A	4400-008 (BROOK AVENUE CULVERT)
0.80	0.80	ONE-WAY END	N/A	N/A
0.80	0.80	INTERSECTION	L	ROUTE 0042 (SOUTH SICKLES AVENUE)
0.80	0.80	INTERSECTION	R	ROUTE 0042 (SOUTH SICKLES AVENUE)

GETT: Route Milepost Log

ROUTE 0044: AYERS AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0013 (WHEATFIELD ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0013 (WHEATFIELD ROAD)
0.00	0.00	ONE-WAY START	N/A	N/A
0.30	0.30	INTERSECTION	R	ROUTE 0042 (SOUTH SICKLES AVENUE)
0.30	0.30	INTERSECTION	N/A	ROUTE 0043 (CROSS-BROOKE- DETROBRIAND AVENUE)
0.30	0.30	INTERSECTION	L	ROUTE 0042 (SOUTH SICKLES AVENUE)
0.30	0.30	ONE-WAY END	N/A	N/A

ROUTE 0052: CULPS HILL TOWER ROAD

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	N/A	ROUTE 0030 (SLOCUM AVENUE)
0.00	0.00	INTERSECTION	R	ROUTE 0030 (SLOCUM AVENUE)
0.00	0.00	INTERSECTION	R	PAVED SPUR
0.05	0.05	INTERSECTION	L	ROUTE 0052 (CULPS HILL TOWER ROAD)
0.05	0.05	ONE-WAY START	N/A	N/A
0.11	0.11	INTERSECTION	R	ROUTE 0905 (CULPS HILL TOWER PARKING)
0.14	0.14	INTERSECTION	L	PAVED SPUR
0.15	0.15	ONE-WAY END	N/A	N/A
0.15	0.15	INTERSECTION	N/A	ROUTE 0052 (CULPS HILL TOWER ROAD)
0.15	0.15	INTERSECTION	L	ROUTE 0052 (CULPS HILL TOWER ROAD)

GETT: Route Milepost Log

ROUTE 0053: MILLERSTOWN ROAD

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))
0.00	0.00	INTERSECTION	N/A	ROUTE 0013 (WHEATFIELD ROAD)
0.00	0.00	INTERSECTION	L	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))
0.36	0.36	INTERSECTION	L	ROUTE 0018 (WEST CONFEDERATE AVENUE)
0.36	0.36	INTERSECTION	R	ROUTE 0018 (WEST CONFEDERATE AVENUE)
0.37	0.37	PARK BOUNDARY	N/A	WEST MILITARY PARK BOUNDARY
0.37	0.37	INTERSECTION	N/A	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))

ROUTE 0054: HOWE AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))
0.00	0.00	INTERSECTION	N/A	ROUTE 0019 (WRIGHT AVENUE)
0.00	0.00	INTERSECTION	L	ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))
0.17	0.17	INTERSECTION	N/A	DEAD END

ROUTE 0055: DOUBLEDAY AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	ONE-WAY START	N/A	N/A
0.00	0.00	INTERSECTION	R	ROUTE 5005 (MUMMASBURG ROAD)
0.00	0.00	INTERSECTION	L	ROUTE 5005 (MUMMASBURG ROAD)
0.00	0.00	INTERSECTION	N/A	ROUTE 0026 (NORTH CONFEDERATE AVENUE)
0.06	0.06	INTERSECTION	L	ROUTE 0901 (OAK RIDGE TOWER PARKING)
0.08	0.08	INTERSECTION	L	ROUTE 0039 (ROBINSON AVENUE)
0.08	0.08	ONE-WAY END	N/A	N/A
0.40	0.40	INTERSECTION	N/A	ROUTE 0027 (WADSWORTH AVENUE)

Data Collected on 11/2020

GETT: Route Milepost Log

ROUTE 0056: VISITOR CENTER DRIVE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 5003 (BALTIMORE PIKE)
0.00	0.00	INTERSECTION	R	ROUTE 5003 (BALTIMORE PIKE)
0.08	0.08	INTERSECTION	R	ROUTE 0057AZ (VISITOR CENTER BUS LOOP A)
0.09	0.09	INTERSECTION	L	ROUTE 0920 (VISITOR CENTER BUS PARKING AREA)
0.17	0.17	INTERSECTION	R	ROUTE 0921 (VISITOR CENTER PARKING AREA 1)
0.19	0.19	INTERSECTION	R	ROUTE 0921 (VISITOR CENTER PARKING AREA 1)
0.21	0.21	INTERSECTION	R	ROUTE 0921 (VISITOR CENTER PARKING AREA 1)
0.23	0.23	INTERSECTION	R	ROUTE 0921 (VISITOR CENTER PARKING AREA 1)
0.24	0.24	INTERSECTION	R	ROUTE 0921 (VISITOR CENTER PARKING AREA 1)
0.27	0.27	INTERSECTION	R	ROUTE 0921 (VISITOR CENTER PARKING AREA 1)
0.29	0.29	INTERSECTION	L	ROUTE 0920 (VISITOR CENTER BUS PARKING AREA)
0.34	0.34	INTERSECTION	R	ROUTE 0921 (VISITOR CENTER PARKING AREA 1)
0.40	0.40	INTERSECTION	R	ROUTE 0922 (VISITOR CENTER PARKING AREA 2)
0.42	0.42	INTERSECTION	R	ROUTE 0922 (VISITOR CENTER PARKING AREA 2)
0.43	0.44	BRIDGE	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE
0.54	0.54	BRIDGE	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE
0.65	0.65	INTERSECTION	R	ROUTE 0923 (VISITOR CENTER PARKING AREA 3)
0.84	0.84	INTERSECTION	L	ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))
0.84	0.84	INTERSECTION	R	ROUTE 5000 (STATE HIGHWAY 134 (TANEYTOWN ROAD))

GETT: Route Milepost Log

ROUTE 0057AZ: VISITOR CENTER BUS LOOP A

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0056 (VISITOR CENTER DRIVE)
0.00	0.00	INTERSECTION	N/A	ROUTE 0920 (VISITOR CENTER BUS PARKING AREA)
0.00	0.00	INTERSECTION	R	ROUTE 0056 (VISITOR CENTER DRIVE)
0.09	0.09	ONE-WAY START	N/A	N/A
0.09	0.09	INTERSECTION	L	ROUTE 0057BZ (VISITOR CENTER BUS LOOP B)
0.26	0.26	ONE-WAY END	N/A	N/A
0.26	0.26	INTERSECTION	L	ROUTE 0057BZ (VISITOR CENTER BUS LOOP B)
0.26	0.26	INTERSECTION	N/A	ROUTE 0057BZ (VISITOR CENTER BUS LOOP B)

ROUTE 0057BZ: VISITOR CENTER BUS LOOP B

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	ROUTE 0057AZ (VISITOR CENTER BUS LOOP A)
0.00	0.00	INTERSECTION	N/A	ROUTE 0057AZ (VISITOR CENTER BUS LOOP A)
0.09	0.09	INTERSECTION	L	ROUTE 0057BZ (VISITOR CENTER BUS LOOP B)
0.09	0.09	ONE-WAY START	N/A	N/A
0.14	0.14	INTERSECTION	R	ROUTE 0057AZ (VISITOR CENTER BUS LOOP A)
0.19	0.19	INTERSECTION	L	ROUTE 0057BZ (VISITOR CENTER BUS LOOP B)
0.19	0.19	INTERSECTION	N/A	ROUTE 0057BZ (VISITOR CENTER BUS LOOP B)
0.19	0.19	ONE-WAY END	N/A	N/A

GETT: Route Milepost Log

ROUTE 0100: JONES BATTALION AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	PAVED ROUTE (BUSINESS ROUTE 15 (OLD HARRISBURG ROAD AND EMMISTSBURG ROAD))
0.00	0.00	INTERSECTION	R	ROUTE 5002 (BUSINESS ROUTE 15 (OLD HARRISBURG ROAD))
0.25	0.25	INTERSECTION	L	ROUTE 0100 (JONES BATTALION AVENUE)
0.25	0.25	ONE-WAY START	N/A	N/A
0.33	0.33	INTERSECTION	L	ROUTE 0100 (JONES BATTALION AVENUE)
0.33	0.33	INTERSECTION	N/A	ROUTE 0100 (JONES BATTALION AVENUE)
0.33	0.33	ONE-WAY END	N/A	N/A

ROUTE 0200: UNITED STATES CAVALRY AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	PAVED ROUTE (STATE ROUTE 116 (HANOVER ROAD / NON NPS))
0.00	0.00	INTERSECTION	R	PAVED ROUTE (STATE ROUTE 116 (HANOVER ROAD / NON NPS))
0.57	0.57	INTERSECTION	R	PAVED ROUTE (LOW DUTCH ROAD / NON NPS)
0.57	0.57	PARK BOUNDARY	N/A	SOUTH EAST MILITARY PARK BOUNDARY
0.57	0.57	INTERSECTION	L	PAVED ROUTE (LOW DUTCH ROAD / NON NPS)

GETT: Route Milepost Log

ROUTE 0201: CONFEDERATE CAVALRY-GREGG AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	PAVED ROUTE (LOW DUTCH ROAD / NON NPS)
0.00	0.00	PARK BOUNDARY	N/A	SOUTH EAST MILITARY PARK BOUNDARY
0.00	0.00	INTERSECTION	L	PAVED ROUTE (LOW DUTCH ROAD / NON NPS)
0.97	0.97	INTERSECTION	L	UNPAVED ROUTE (NON NPS)
1.19	1.19	INTERSECTION	R	UNPAVED ROUTE (SWIFT RUN ROAD / NON NPS)
1.76	1.76	INTERSECTION	N/A	PAVED ROUTE (CAVALRY FIELD ROAD / NON NPS)
1.76	1.76	PARK BOUNDARY	N/A	NORTH EAST MILITARY PARK BOUNDARY

ROUTE 0202: BIRNEY AVENUE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0013 (WHEATFIELD ROAD)
0.00	0.00	INTERSECTION	R	ROUTE 0013 (WHEATFIELD ROAD)
0.16	0.16	INTERSECTION	L	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))
0.16	0.16	INTERSECTION	R	ROUTE 5006 (BUSINESS ROUTE 15 (EMMITSBURG ROAD))

ROUTE 0412: COBEAN FARM LANE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 5004 (PENNSYLVANIA STATE HIGHWAY 34 (BIGLERVILLE ROAD AND CARLISLE ROAD))
0.00	0.00	INTERSECTION	R	PAVED ROUTE (U.S. HIGHWAY 34 (BIGLERVILLE ROAD AND CARLISLE ROAD))
0.33	0.33	INTERSECTION	R	ROUTE 0939 (COVIN FARM PARKING)
0.33	0.33	INTERSECTION	L	ROUTE 0412 (COBEAN FARM LANE)
0.40	0.40	INTERSECTION	L	ROUTE 0412 (COBEAN FARM LANE)
0.40	0.40	INTERSECTION	R	ROUTE 0412 (COBEAN FARM LANE)

Data Collected on 11/2020

GETT: Route Milepost Log

ROUTE 0418: GETTYSBURG ARMORY DRIVE

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	R	UNPAVED ROUTE (REACH AVENUE)
0.00	0.00	INTERSECTION	L	UNPAVED ROUTE (REACH AVENUE)
0.07	0.07	INTERSECTION	L	ROUTE 0419 (GETTYSBURG ARMORY DRIVE 2)
0.12	0.12	INTERSECTION	N/A	ROUTE 0942 (GETTYSBURG ARMORY CONCRETE PARKING APRON)

ROUTE 0419: GETTYSBURG ARMORY DRIVE 2

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

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.00	0.00	INTERSECTION	L	ROUTE 0418 (GETTYSBURG ARMORY DRIVE)
0.00	0.00	INTERSECTION	R	ROUTE 0418 (GETTYSBURG ARMORY DRIVE)
0.03	0.03	INTERSECTION	N/A	ROUTE 0937 (GETTYSBURG ARMORY PARKING AREA B)

Section 8
Appendix

Gettysburg National Military 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.

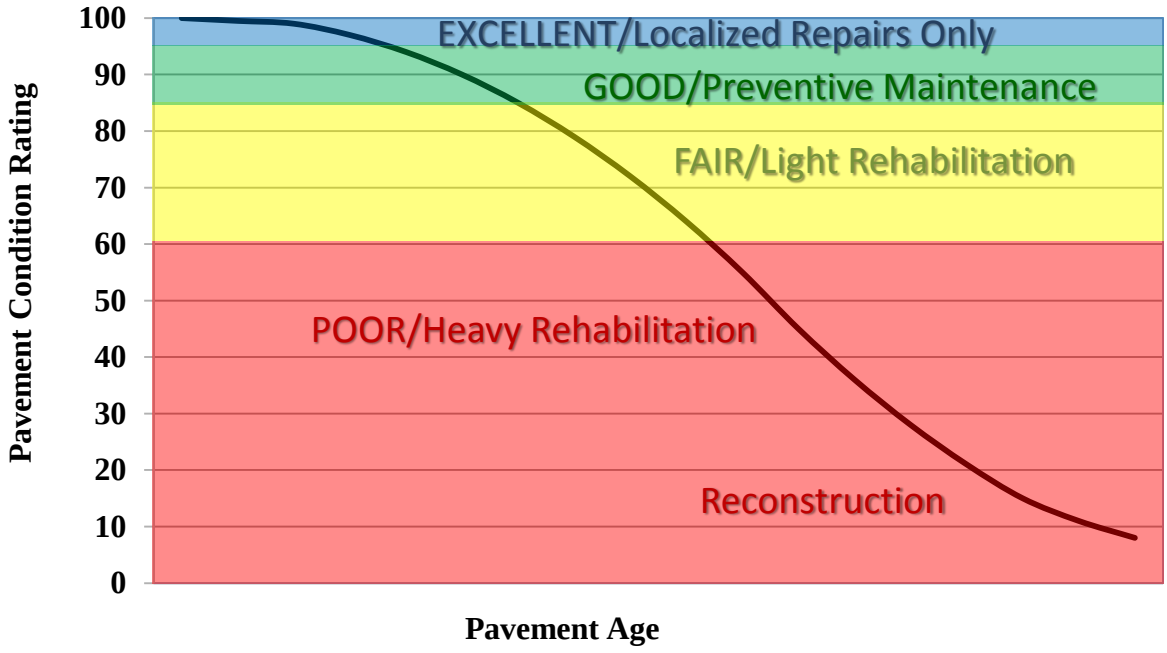
Explanation of the Condition Descriptions

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:

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

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

Longitudinal Crack Index

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

Where:

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

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

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