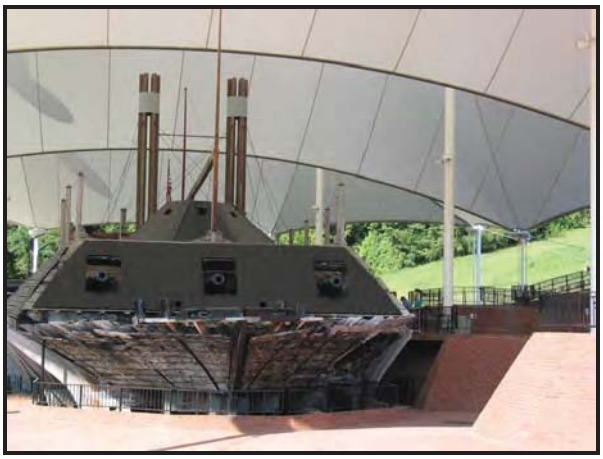


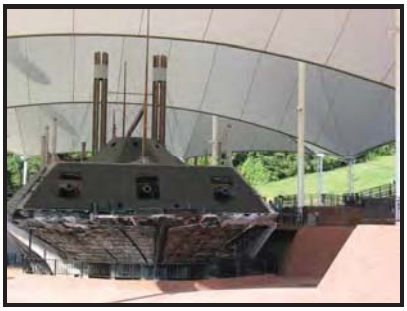
The Road Inventory
of
Vicksburg National Military Park
VICK - 5600

national park service

Road Inventory Program

Prepared By:
Federal Highway Administration
Eastern Federal Lands Highway Division
Cycle 3

Vicksburg National Military Park
in
Mississippi



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INTRODUCTION

Background: In July 1976, the National Park Service (NPS) and the Federal Highway Administration (FHWA) entered into a Memorandum of Agreement (MOA), establishing the Road Inventory Program (RIP). In 1980, the NPS and the FHWA terminated the 1976 MOA and entered into a new MOA that provided for the completion of the initial phase of the RIP. The purpose of the RIP, per the 1980 MOA, was to maintain and update RIP data in order to develop long-range and short-range costs and programs to bring National Park Service (NPS) roads up to, or to maintain, designated standards, and to establish a maintenance management program.

The FHWA's Federal Lands Highway (FLH) was assigned the task of identifying condition deficiencies and corrective priorities along with associated corrective costs, inventorying maintenance features (e.g., culverts, signs, guardrail, etc.), summarizing the data and findings in a report, and providing a photographic record of the road system.

The FLH completed the initial phase of the RIP in the early 1980's. As a result of this effort, each park received a RIP book, also known as the "Brown Book," that included the information collected during this initial RIP phase.

In an effort to maintain and update the RIP data, a cyclical data collection and reporting process was re-established in the 1990's. The FLH completed two cycles of RIP data collection between 1994 and 2001. Cycle 1 data was collected in 44 large parks from 1994 to 1995. This data was found to be unusable for comparison to future cycles. Cycle 2 data was collected from March 1997 to January 2001 in 79 large parks and 5 small parks containing 4,874 route miles. Each park received a copy of a Cycle 2 RIP Report, also known as the "Blue Book."

Since 1984, the RIP Program has been funded through the Federal Lands Highway Program's Park Roads and Parkways (PRP) Program. Currently, the NPS Washington Headquarters' Park Facility Management Division is responsible for coordinating the RIP program with the FLH. 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) which requires the Federal Highway Administration and the National Park Service, to develop, by rule, a Pavement Management System (PMS) for the park roads and parkways serving the National Park System. As a result of the requirements in TEA-21, the NPS and the FHWA are in the process of developing a PMS. The PMS will assist the decision-makers in effectively spending limited PRP Program funds. The PMS will provide information for planning and programming road maintenance, rehabilitation, and reconstruction activities. RIP data will provide the basic information for this system.

Key information included in the RIP is the mileage inventory and condition assessments accomplished by the RIP Program. The mileage and condition data are used in the current allocation formula of PRP Program funds.

RIP Cycle 3: A third RIP cycle was initiated in 2001. Data was collected from March 2001 to July 2004, and is included in the Cycle 3 Reports. Cycle 3 includes 254 large and small parks with a combined total of 5,455 route miles.

In the Cycle 3 Reports, a general condition rating of excellent, good, fair and poor is ascribed to each one-mile section of paved roadway, and to each paved parking area. This condition rating system provides a realistic means of assessing the general funding needs for road improvements. Along with these descriptive condition ratings, a numerical rating between 0 and 100 is ascribed to each mile of road and to each parking area.. This numerical rating is called a Pavement Condition Rating (PCR). The PCR rating system is described in Section 10 of this report.

All of the fieldwork required for obtaining inventory, condition, and maintenance feature information is coordinated with each park and the regional offices to ensure that the information in the RIP reports is accurate.

The FLH is responsible for all of the data presented in this report. Anyone having questions or comments regarding the contents of this report is encouraged to contact the FHWA RIP Coordinator. It is our aim to provide exceptional customer satisfaction in our delivery of the RIP program.

FHWA RIP Coordinator:

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FHWA/EFLHD
Technical Services, HTS-15
21400 Ridgetop Circle
Sterling, VA 20166
(703) 404-6366

Vicksburg National Military Park Summaries

Overall Park Mileage Summary

PARK TOTAL SUMMARY ITEMS	TOTAL	DATE
Paved ARAN Driven Route Miles	15.44	3/14/2002
Unpaved Estimated Route Miles	0.05	3/14/2002
Paved ARAN and Unpaved Route Miles	15.49	
Paved ARAN Driven Lane Miles	18.27	3/14/2002
Paved MRR Lane Miles	1.01	3/14/2002
Parking Lot Lane Miles	4.13	3/14/2002
Total Paved Lane Miles	23.41	

Notes: Total Paved Lane Miles includes the sum of Paved ARAN Driven Lane Miles, Paved MRR Lane Miles, and Parking Lot Lane Miles

Unpaved Route Miles are estimates, they have not been inventoried by the Roadway Inventory Program (RIP)

Vicksburg National Military Park Summaries

Cost to Improve to "Excellent" Condition

SOURCE	WORK PERFORMED	COST PER MILE	INITIAL CONDITION
FHWA Awarded Projects	Surface Maintenance	$30,000	Excellent
FHWA Awarded Projects	3-R (Resurfacing)	$110,000	Good
FHWA Awarded Projects	3-R (Resurfacing, Restoration, and Rehabilitation) Projects	$560,000	Fair
FHWA Awarded Projects	4-R (Resurfacing, Restoration, Rehabilitation, and Reconstruction) Projects	$1,540,000	Poor

Based on the above table, the cost to improve ARAN driven paved road condition miles to "Excellent" PCR are:

Existing Condition	Existing Miles	Estimated Cost to Improve
Excellent	0.24	$7,200
Good	0.52	$57,200
Fair	5.91	$3,309,600
Poor	8.77	$13,505,800
Totals	**15.44**	**$16,879,800**

The above numbers include the 35% PE, CE and contingency costs and are national averages. The cost estimates were used in the calculations for the 2004 Reauthorization Bill to determine the level of funding required to bring all the NPS roads into a Pavement Condition Rating (PCR) of Good (85).

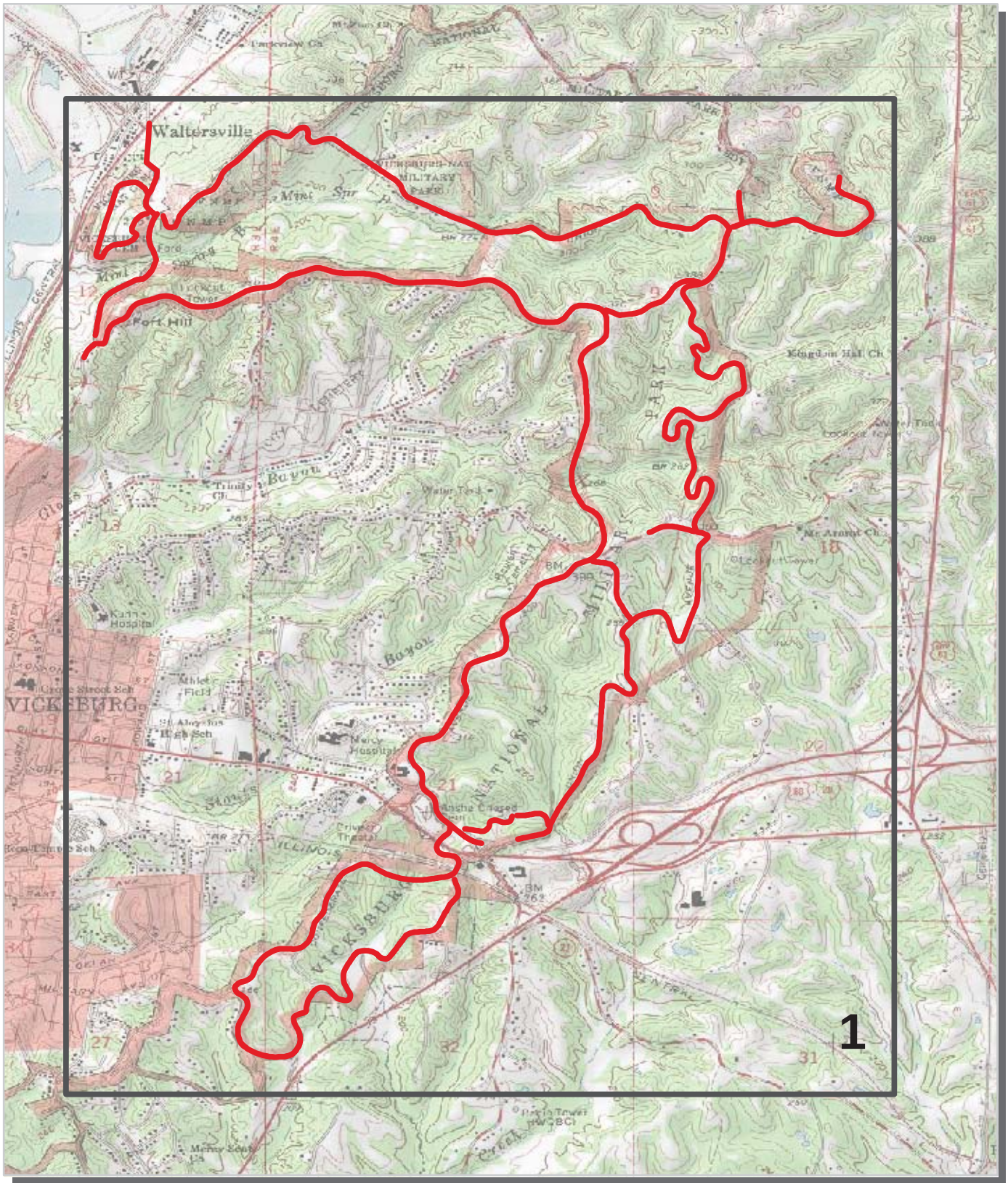
These numbers are for preliminary planning purposes only and should not be used for project level proposals. For park planning level analysis, apply your park multiplier for more accurate regional costs.

Vicksburg National Military Park Summaries

Paved Route Miles and Percentages by Functional Class and PCR for ARAN Driven Paved Roads

F.C.	Pavement Condition Rating								TOTAL MILES
	Poor (<=60)		Fair (61-84)		Good (85-94)		Excellent (95-100)		
	MILES	%	MILES	%	MILES	%	MILES	%	
1	7.90	51.17%	5.74	37.18%	0.52	3.37%	0.24	1.55%	14.40
2									
3	0.67	4.34%	0.04	0.26%					0.71
4									
5									
6	0.20	1.30%	0.13	0.84%					0.33
7									
8									
Totals	**8.77**	**56.80%**	**5.91**	**38.28%**	**0.52**	**3.37%**	**0.24**	**1.55%**	**15.44**

Vicksburg National Military Park
Route Location
Key Map

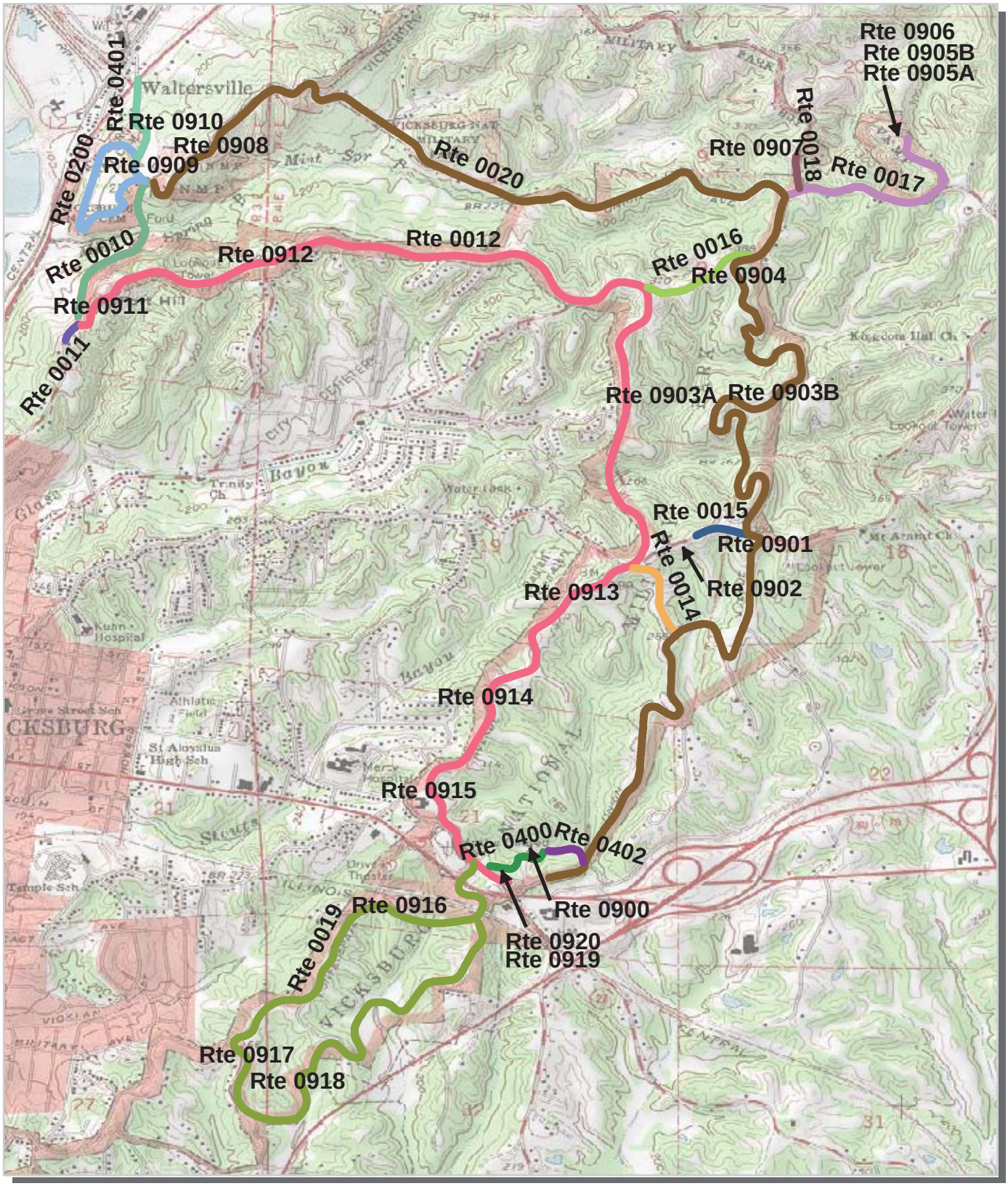


Park Owned Routes

0.5 0.25 0 0.5
Miles

N

Vicksburg National Military Park
Route Location
Area Map 1

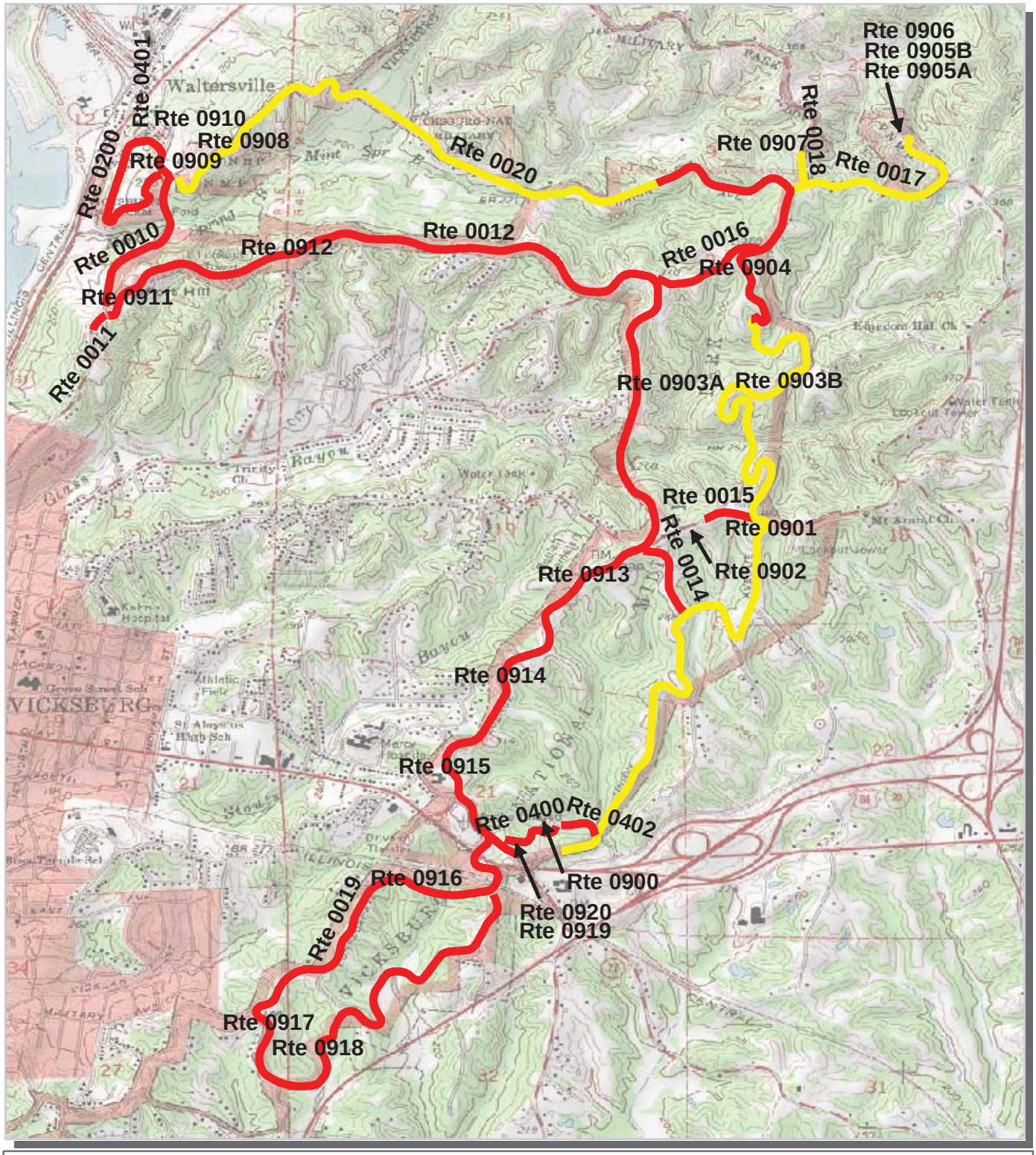


Unique colors used to differentiate routes

0.5 0.25 0 0.5 Miles

N

Vicksburg National Military Park
Route Condition Key Map
PCR - Mile by Mile



PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

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

0.5 0.25 0 0.5 Miles

N

NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, ARAN Driven
Yellow = Unpaved Routes, ARAN not Driven
Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven
Red =
Green = All Unpaved Parking Areas
Black = Paved State, Local or Private non-NPS Routes, ARAN Driven
Purple =

VICK

Vicksburg National Military Park

Rte. #	FMSS Asset #	Route Name	Route Description From	Route Description To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0010	75032	Connecting Avenue	From End of Route 0020 / Route 0909, South	To Intersection of Route 0011 and Route 0012	0.52	0.00	0.52	1	2	0	AS
0011	74995	Fort Hill Drive	From Intersection of Route 0010 and Route 0012, South	To South Park Boundary	0.07	0.00	0.07	1	2	0	OC
0012	74970	Confederate Avenue	From Intersection of Route 0010 and Route 0011	To Route 0013 at Stop Sign	4.02	0.00	4.02	1	2,1	0	CO
0013		Visitor Center Access Road	From Clay Street	To Route 0012 at MP 4.00 and Route 0020	0.28	0.00	0.28	1	2	16,396	OC
0014	74998	Pemberton Avenue	From Route 0020 at MP 1.00	To Route 0012 at MP 2.70 on Left	0.27	0.00	0.27	1	2	0	OC
0015	75274	Shirley Circle	From Route 0020 at MP 1.65, Westbound	To Route 0902	0.16	0.00	0.16	1	2	0	AS
0016	75004	Old Graveyard Road	From Route 0020 at MP 3.40	To Route 0012 at MP 1.70	0.33	0.00	0.33	1	2	0	OC
0017	75008	Grant Avenue	From Route 0020 at MP 3.60	To Route 0906	0.65	0.00	0.65	1	2	0	AS
0018	75023	Sherman's Circle	From Route 0017 at MP 0.03	To Route 0907	0.12	0.00	0.12	1	2	0	AS
0019	75034	South Loop	From Route 0012 at MP 3.90	To End of Loop	2.56	0.00	2.56	1	2	0	OC
0020	75052	Union Avenue	From Route 0013 at Memorial Arch	To Route 0909/Begin Route 0010	5.70	0.00	5.70	1	1	0	AS
0100	75002	Ranger Station Access Road	From Route 0014 at MP 0.20	To End	0.13	0.00	0.13	2	2	7,646	AS
0101		Metal Arch Bridge Access Road	From Route 0012 at MP 2.40	To Old Metal Arch Bridge	0.12	0.00	0.12	2	2	7,133	OC
0200	75416	South Cemetery Road	From Route 0010 and End of Route 0020	To End of loop	0.71	0.00	0.71	3	1	0	OC
0400	74944	Visitor Service Road	From Route 0402 and Route 900	To Route 0012	0.20	0.00	0.20	6	2	0	AS
0401		Storage Access Road	From Route 0909	To Route 0910 (Maintenance Shop Area)	0.07	0.00	0.07	6	2	8,798	AS
0402	74955	Maintenance Access Road	From Route 0020 at MP 0.10	To Route 0900 (Maintenance Shop)	0.13	0.00	0.13	6	2	0	AS
0403	75288	Old Jackson Road	From Route 0902	To Route 0012	0.00	0.05	0.05	6	2	0	GR
0404		Cemetery Maintenance Road	From Route 0200 at MP 0.26	To Cemetery Maintenance Shop	0.19	0.00	0.19	6	2	11,408	OC
0405	75418	Ranger Station Service Road	From Route 0014 at MP 0.10	To Ranger Station on Right	0.12	0.00	0.12	6	2	7,070	OC
0900	74957	Maintenance Shop Area	At End of Route 0402 and Begin of Route 0400		0.00	0.00	0.00	9	0	17,831	CO
0901	75284	Illinois Parking Area	Adjacent to Route 0015 on Right		0.00	0.00	0.00	9	0	4,201	AS
0902	75281	Third Louisiana Redan Parking Area	At End of Route 0015		0.00	0.00	0.00	9	0	13,271	AS
0903A	75056	Wisconsin Parking Area A	Adjacent to Route 0020 at MP 2.40 on Right		0.00	0.00	0.00	9	0	1,602	AS
0903B		Wisconsin Parking Area B	Adjacent to Route 0020 at MP 2.46 on Right		0.00	0.00	0.00	9	0	1,107	AS
0904	75270	Stockade Redan Attack Parking Area	Adjacent to Route 0020 at MP 3.30 on Left		0.00	0.00	0.00	9	0	1,175	AS
0905A	75015	New York Parking Area A	Adjacent to Route 0017 at MP 0.59 on Left		0.00	0.00	0.00	9	0	472	AS

NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, ARAN Driven	Yellow = Unpaved Routes, ARAN not Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Red =	Green = All Unpaved Parking Areas
Black = Paved State, Local or Private non-NPS Routes, ARAN Driven	Purple =	

VICK

Vicksburg National Military Park

Rte. #	FMSS Asset #	Route Name	Route Description From	To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0905B		New York Parking Area B	Adjacent to Route 0017 at MP 0.61 on Left		0.00	0.00	0.00	9	0	701	AS
0906	75017	Grant Parking Area	From End of Route 0017	To End of Parking Loop	0.00	0.00	0.00	9	0	21,829	AS
0907	75020	Sherman Parking Area	From End of Route 0018	To End of Parking Loop	0.00	0.00	0.00	9	0	8,871	OC
0908	75026	Navy Parking Area	Adjacent to Route 0020 at MP 5.40 on Right		0.00	0.00	0.00	9	0	2,046	AS
0909	75335	Cairo Museum Parking Area	From End of Route 0020 on Right	To End of Parking Loop	0.00	0.00	0.00	9	0	44,993	OT
0910	75336	Cairo Maintenance Area	From Route 0401	To Maintenance Shop	0.00	0.00	0.00	9	0	22,235	OT
0911	74972	Fort Hill Parking Area	Adjacent to Route 0012 at MP 0.10 on Left		0.00	0.00	0.00	9	0	6,003	OC
0912	74975	Tennessee Circle	Adjacent to Route 0012 at MP 0.60 on Left		0.00	0.00	0.00	9	0	5,077	OC
0913	74976	Louisiana Parking Area	Adjacent to Route 0012 at MP 2.82 on Right		0.00	0.00	0.00	9	0	4,587	CO
0914	74980	Pemberton Circle	From Route 0012 at MP 3.26 on Right	To Route 0012	0.00	0.00	0.00	9	0	3,668	OC
0915	74990	Jefferson Davis/Picnic Parking A	Adjacent to Route 0012 at MP 3.60 on Right		0.00	0.00	0.00	9	0	7,498	OC
0916	75037	Texas Parking Area	Adjacent to Route 0019 at MP 0.50 on Right		0.00	0.00	0.00	9	0	4,830	OC
0917	75040	Fort Garrott Parking Area	Adjacent to Route 0019 at MP 1.20 on Left		0.00	0.00	0.00	9	0	4,081	OC
0918	75045	Hovey's Approach Parking Area	Adjacent to Route 0019 at MP 1.64 on Left		0.00	0.00	0.00	9	0	1,614	OC
0919	74940	Visitor Center Parking Area	From End Route 0012 and Route 0013	To Memorial Arch	0.00	0.00	0.00	9	0	36,483	OC
0920	74946	Visitor Service Road Parking Area	Adjacent to Route 0400 on Right next to Visitor Center		0.00	0.00	0.00	9	0	4,119	CO
0921	75425	Louisiana Circle	From Washington Street	To Washington Street on Left (Outside of Park)	0.00	0.00	0.00	9	0	9,001	CO
0922	75439	Navy Circle	From Washington Street	To Washington Street on Left (Outside of Park)	0.00	0.00	0.00	9	0	9,925	CO
0923	75446	Grant's Canal	Adjacent to Old Highway 80 on left (Outside of Park)		0.00	0.00	0.00	9	0	2,568	CO
				Totals:	16.35	0.05	**16.40**			298,242	

NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, ARAN Driven	Yellow = Unpaved Routes, ARAN not Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Red =	Green = All Unpaved Parking Areas
Black = Paved State, Local or Private non-NPS Routes, ARAN Driven	Purple =	

General Park Road Functional Classification Table

Class 1 Principal Park Road/Rural Parkway (Public Roads) Roads which constitute the main access route, circulatory tour, or thoroughfare for park visitors. Route Numbers 1 - 99. Note: Rural parkways (e.g. Natchez Trace) are numbered 1 - 9. State Routes Invetoried for Park. Route Numbers 5000-5999

Class 2 Connector Park Road (Public Roads) - Roads which provide access within a park to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, etc. Route Numbers 100-199.

Class 3 Special Purpose Park Road (Public Roads) - Roads which provide circulation within public areas, such as campgrounds, picnic areas, visitor center complexes, concessionaire facilities, etc. These roads generally serve low-speed traffic and are often designed for one-way circulation. Route Numbers 200-299.

Class 4 Primitive Park Roads (Public Roads) - Roads which provide circulation through remote areas and/or access to primitive campgrounds and undeveloped areas. These roads frequently have no minimum design standards and their use may be limited to specially equipped vehicles. Route Numbers 200-299.
Note: Functional Classes 3 and 4 have the same route numbers because, historically, they were numbered similarly.

Class 5 Administrative Access Road (Administrative Roads) - All public roads intended for access to administrative developments or structures such as park offices, employee quarters, or utility areas. Route Numbers 400-499.

Class 6 Restricted Road (Administrative Roads) - All roads normally closed to the public, including patrol roads, truck trails, and other similar roads. Route Numbers 400-499.
Note: Functional Classes 5 and 6 have the same route numbers because historically they were numbered similarly and often there is little distinction between these routes. For example, because utility areas and employee housing are often closed to the public, this restriction would result in classification of FC 6 rather than FC 5.

Class 7 Urban Parkway (Urban Parkways and City Streets) - These facilities serve high volumes of park and non-park related traffic and are restricted, limited-access facilities in an urban area. This category of roads primarily encompasses the major parkways which serve as gateways to our nation's capital. Other major park roads or portions thereof, however, may be included in this category. Route Numbers 1-9.

Class 8 City Streets (Urban Parkways and City Streets) - City streets are usually extensions of the adjoining street system that are owned and maintained by the National Park Service. The construction and/or reconstruction should conform with accepted local engineering practice and local conditions. Route Numbers 600-699.

Class 9 Boat Ramp - (Public and Administrative) Route Numbers 800-899.
Parking Area - (Public and Administrative) Route Numbers 900-1999.

****

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

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

ZZ Functional Class Routes were added from FMSS Database. Final Route Number and Functional Class will be established during Park visit for Cycle 4 data collection.

Surface Type Abbreviations:

AS - Asphaltic Concrete Pavement
CO - Portland Cement Concrete Pavement
NC - New Chip Seal Pavement (Under 5 Years)
OC - Old Chip Seal Pavement (5 Years and Greater)
SS - Slurry Seal Pavement
GR - Gravel Road Bed
BR - Brick or Pavers Road Bed
CB - Cobble Stone Road Bed
SA - Sand Road Bed
DT - Dirt or Native Material Road Bed
OT - Other Materials Road Bed

PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

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

Southeast Region
VICK : Vicksburg National Military Park

ROUTE: 0010 Connecting Avenue **TOTAL LENGTH: 0.52 Miles**

Section Number	0				
Section Length (mi)	0.52				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	12				
Shoulder Width (ft)	9				
Roadway Condition Information					
PCR (Pavement Condition Rating)	49				
RCI (Roughness Condition Index)	76				
SCR (Surface Condition Rating)	37				
Alligator Cracking Index	94				
Rutting Index	52				
Patching Index	99				
Tranverse Cracking Index	92				
Longitudinal Cracking Index	96				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

* NC designates data not collected N/A designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

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

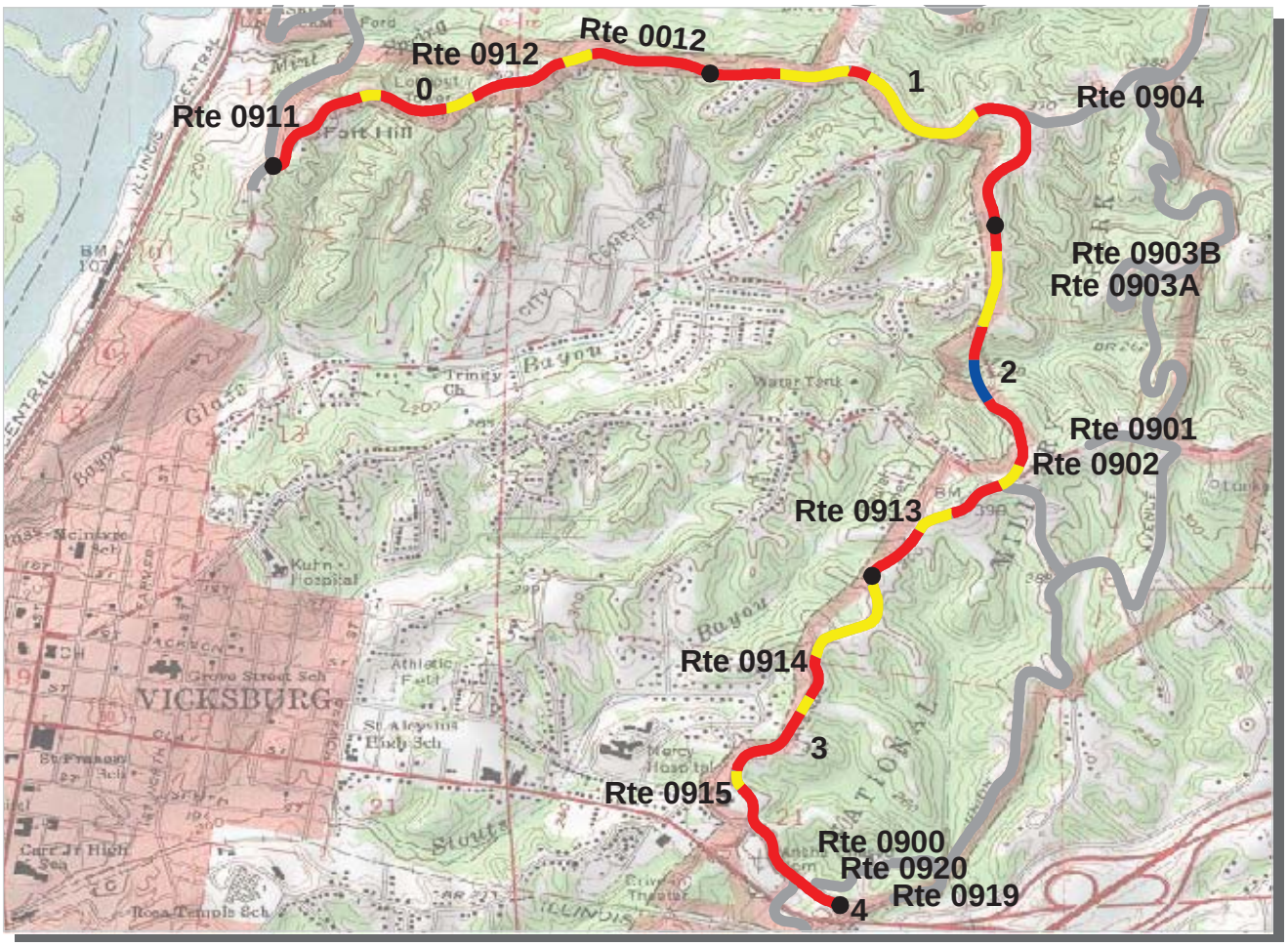
Southeast Region
VICK : Vicksburg National Military Park

ROUTE: 0011 Fort Hill Drive **TOTAL LENGTH: 0.07 Miles**

Section Number	0				
Section Length (mi)	0.07				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	23				
RCI (Roughness Condition Index)	60				
SCR (Surface Condition Rating)	14				
Alligator Cracking Index	95				
Rutting Index	50				
Patching Index	99				
Tranverse Cracking Index	86				
Longitudinal Cracking Index	82				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected N/A designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

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

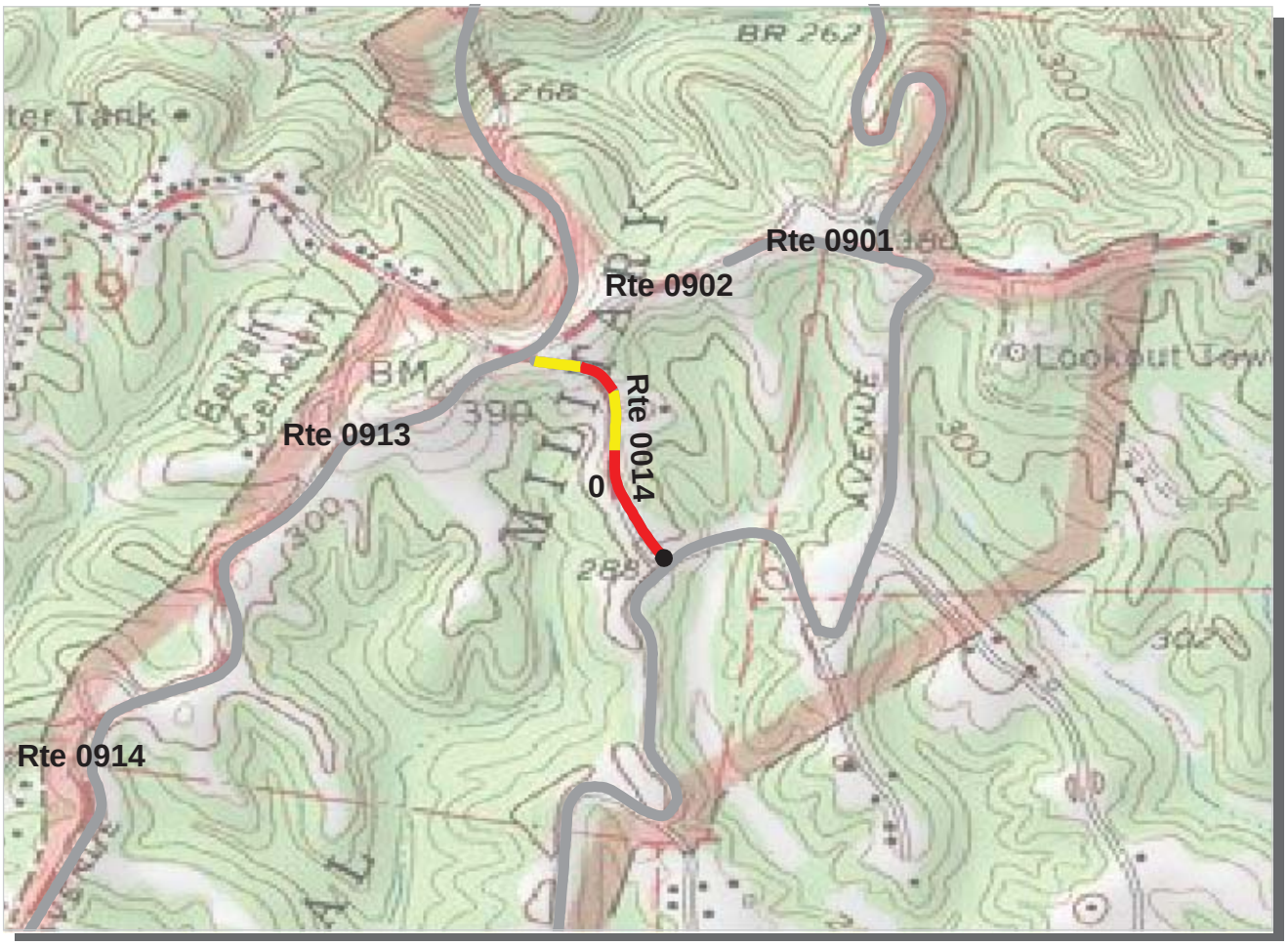
Southeast Region
VICK : Vicksburg National Military Park

ROUTE: 0012 Confederate Avenue **TOTAL LENGTH: 4.02 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	0.02
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	1	1	1	1
Paved Width (ft)	19	21	20	16	18
Lane Width (ft)	9	21	20	16	18
Shoulder Width (ft)	0	0	0	0	0
Roadway Condition Information					
PCR (Pavement Condition Rating)	52	59	50	46	0
RCI (Roughness Condition Index)	58	62	49	77	-1
SCR (Surface Condition Rating)	50	58	50	32	0
Alligator Cracking Index	99	100	99	99	84
Rutting Index	55	58	56	51	38
Patching Index	99	99	100	99	100
Tranverse Cracking Index	97	100	96	89	75
Longitudinal Cracking Index	98	100	97	91	81
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

* NC designates data not collected N/A designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

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

Southeast Region
VICK : Vicksburg National Military Park

ROUTE: 0014 Pemberton Avenue **TOTAL LENGTH: 0.27 Miles**

Section Number	0				
Section Length (mi)	0.27				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	15				
Lane Width (ft)	8				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	42				
RCI (Roughness Condition Index)	68				
SCR (Surface Condition Rating)	36				
Alligator Cracking Index	71				
Rutting Index	45				
Patching Index	99				
Tranverse Cracking Index	96				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected N/A designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

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

Southeast Region
VICK : Vicksburg National Military Park

ROUTE: 0015 Shirley Circle **TOTAL LENGTH: 0.16 Miles**

Section Number	0				
Section Length (mi)	0.16				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	54				
RCI (Roughness Condition Index)	25				
SCR (Surface Condition Rating)	61				
Alligator Cracking Index	100				
Rutting Index	68				
Patching Index	100				
Tranverse Cracking Index	94				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected N/A designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

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

Southeast Region
VICK : Vicksburg National Military Park

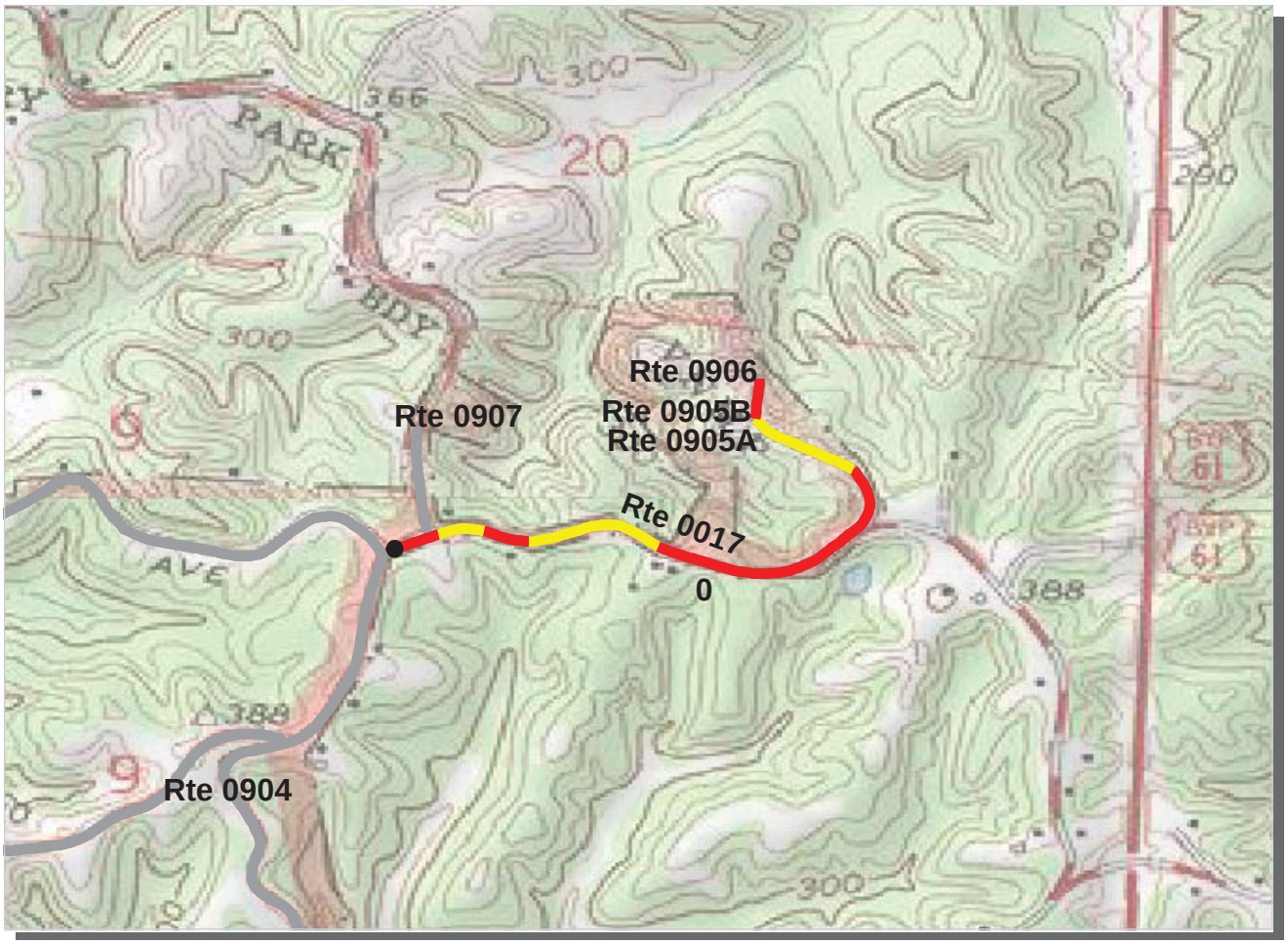
ROUTE: 0016 Old Graveyard Road **TOTAL LENGTH: 0.33 Miles**

Section Number	0				
Section Length (mi)	0.33				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	29				
RCI (Roughness Condition Index)	34				
SCR (Surface Condition Rating)	26				
Alligator Cracking Index	94				
Rutting Index	38				
Patching Index	99				
Tranverse Cracking Index	92				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected N/A designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

ROUTE: 0016 Old Graveyard Road



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

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

Southeast Region
VICK : Vicksburg National Military Park

ROUTE: 0017 Grant Avenue **TOTAL LENGTH: 0.65 Miles**

Section Number	0				
Section Length (mi)	0.65				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	63				
RCI (Roughness Condition Index)	66				
SCR (Surface Condition Rating)	61				
Alligator Cracking Index	100				
Rutting Index	61				
Patching Index	100				
Tranverse Cracking Index	100				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected N/A designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

PCR | Poor (<=60) | Fair (61 - 84) | Good (85 - 94) | Excellent (95 - 100)

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

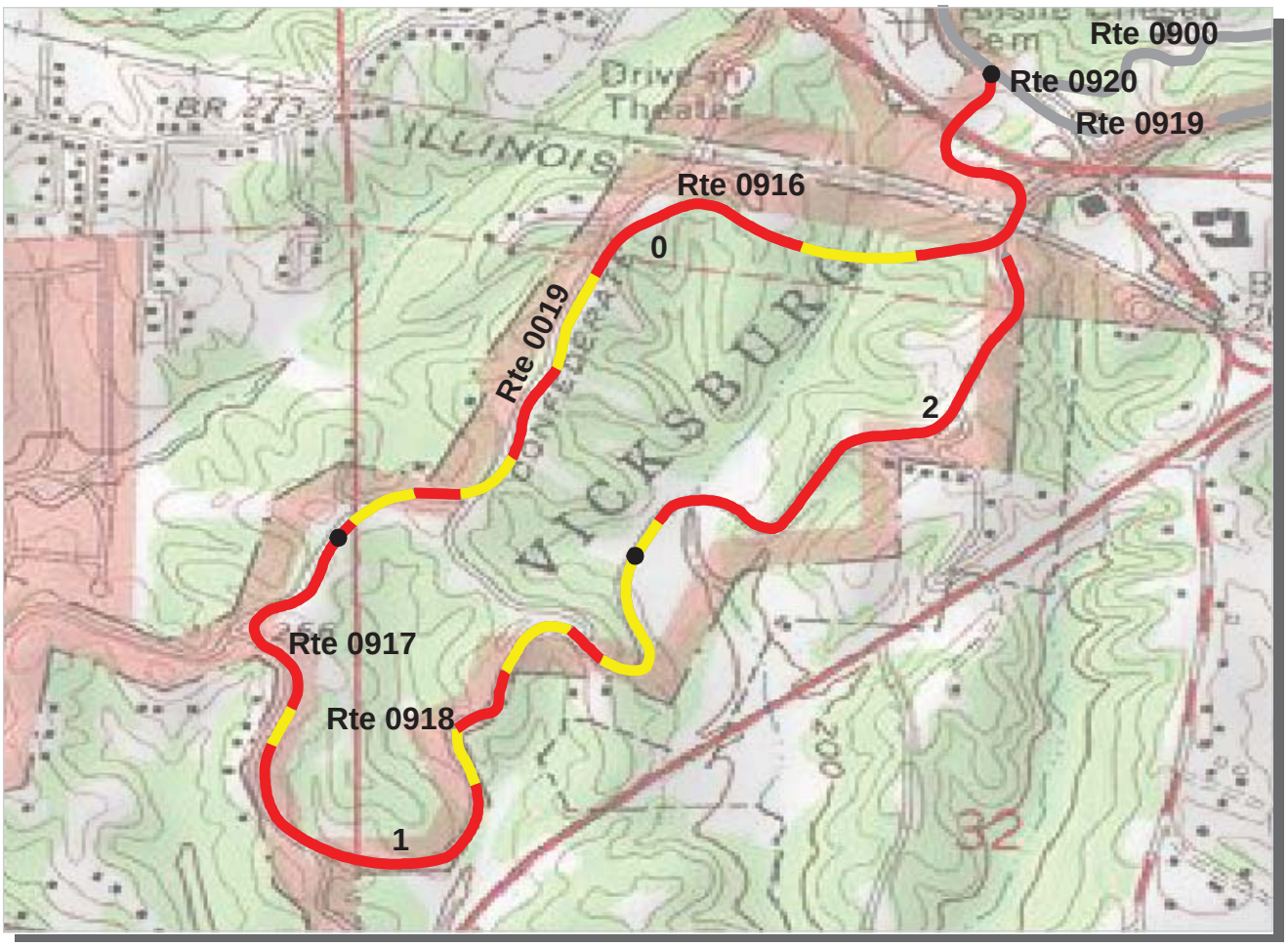
Southeast Region
VICK : Vicksburg National Military Park

ROUTE: 0018 Sherman's Circle **TOTAL LENGTH: 0.12 Miles**

Section Number	0				
Section Length (mi)	0.12				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	15				
Lane Width (ft)	7				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	65				
RCI (Roughness Condition Index)	79				
SCR (Surface Condition Rating)	62				
Alligator Cracking Index	100				
Rutting Index	62				
Patching Index	100				
Tranverse Cracking Index	100				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected N/A designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

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

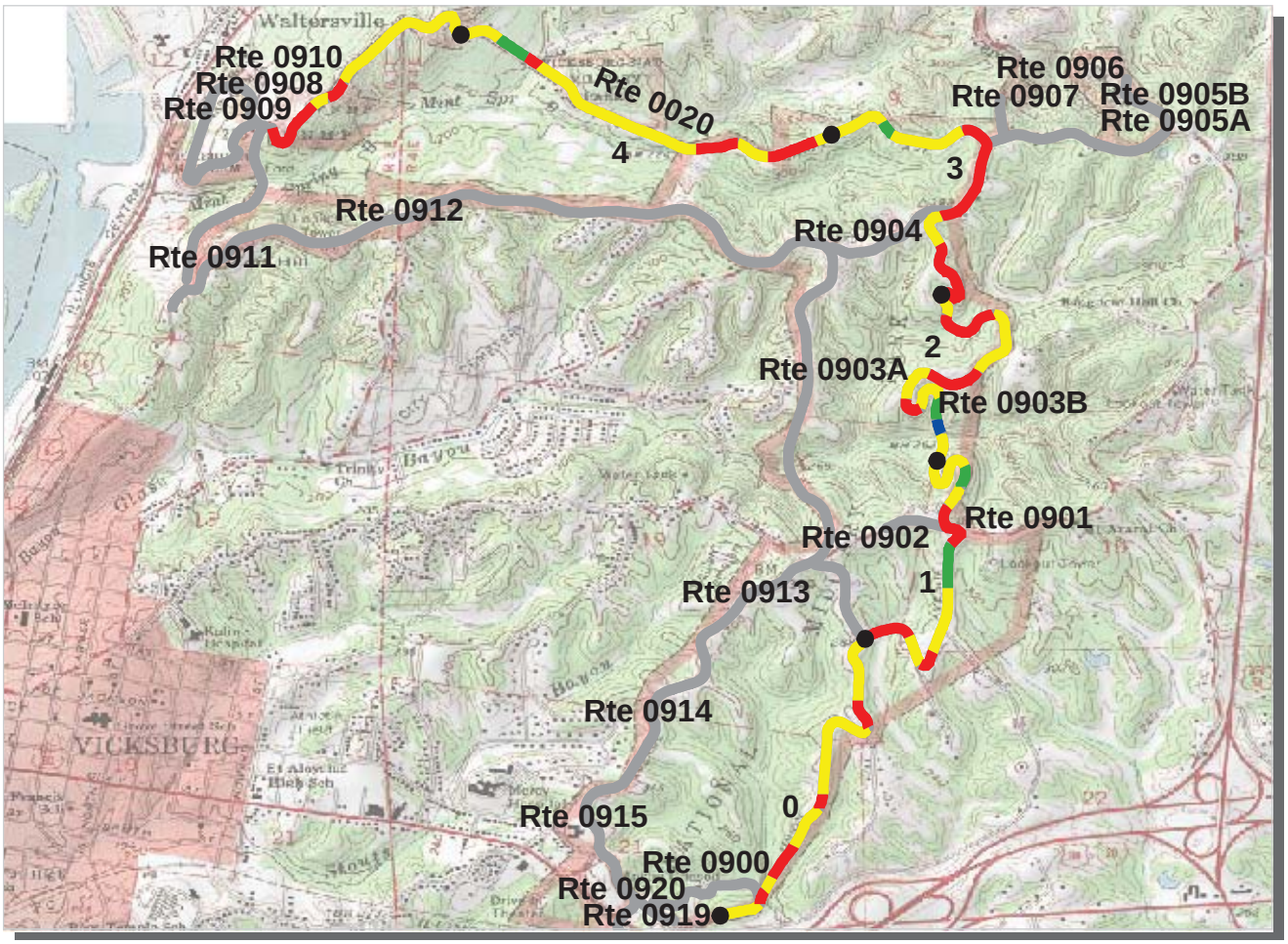
Southeast Region
VICK : Vicksburg National Military Park

ROUTE: 0019 South Loop **TOTAL LENGTH: 2.56 Miles**

Section Number	0	1	2		
Section Length (mi)	1.00	1.00	0.56		
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	1	1		
Paved Width (ft)	21	12	12		
Lane Width (ft)	11	12	12		
Shoulder Width (ft)	0	0	0		
Roadway Condition Information					
PCR (Pavement Condition Rating)	54	57	39		
RCI (Roughness Condition Index)	71	81	65		
SCR (Surface Condition Rating)	45	42	28		
Alligator Cracking Index	99	98	89		
Rutting Index	51	47	37		
Patching Index	99	99	98		
Tranverse Cracking Index	96	97	96		
Longitudinal Cracking Index	98	98	98		
Shoulder Condition Rating	N/A	N/A	N/A		
Drainage Condition Rating	GOOD	GOOD	GOOD		

* NC designates data not collected N/A designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

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

Southeast Region

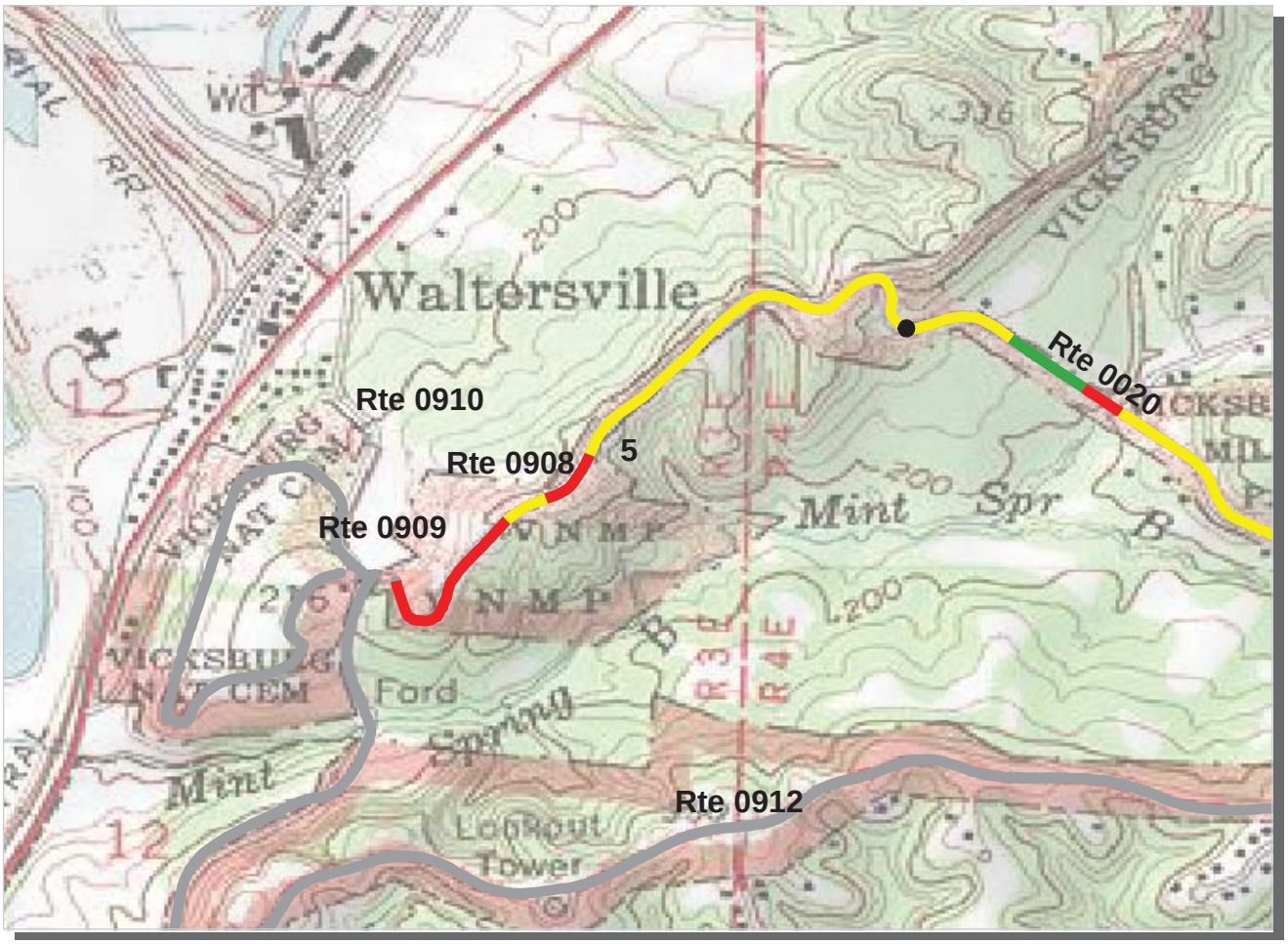
VICK : Vicksburg National Military Park

ROUTE: 0020 Union Avenue **TOTAL LENGTH: 5.70 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1	1	1	1	1
Paved Width (ft)	14	14	15	15	16
Lane Width (ft)	14	14	15	15	16
Shoulder Width (ft)	0	0	0	0	0
Roadway Condition Information					
PCR (Pavement Condition Rating)	63	69	64	60	69
RCI (Roughness Condition Index)	84	88	81	93	76
SCR (Surface Condition Rating)	57	63	60	55	66
Alligator Cracking Index	100	100	100	100	100
Rutting Index	57	64	60	55	66
Patching Index	100	100	100	100	100
Tranverse Cracking Index	100	99	99	99	100
Longitudinal Cracking Index	100	99	100	99	99
Shoulder Condition Rating	N/A	N/A	N/A	N/A	N/A
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

* NC designates data not collected N/A designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

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

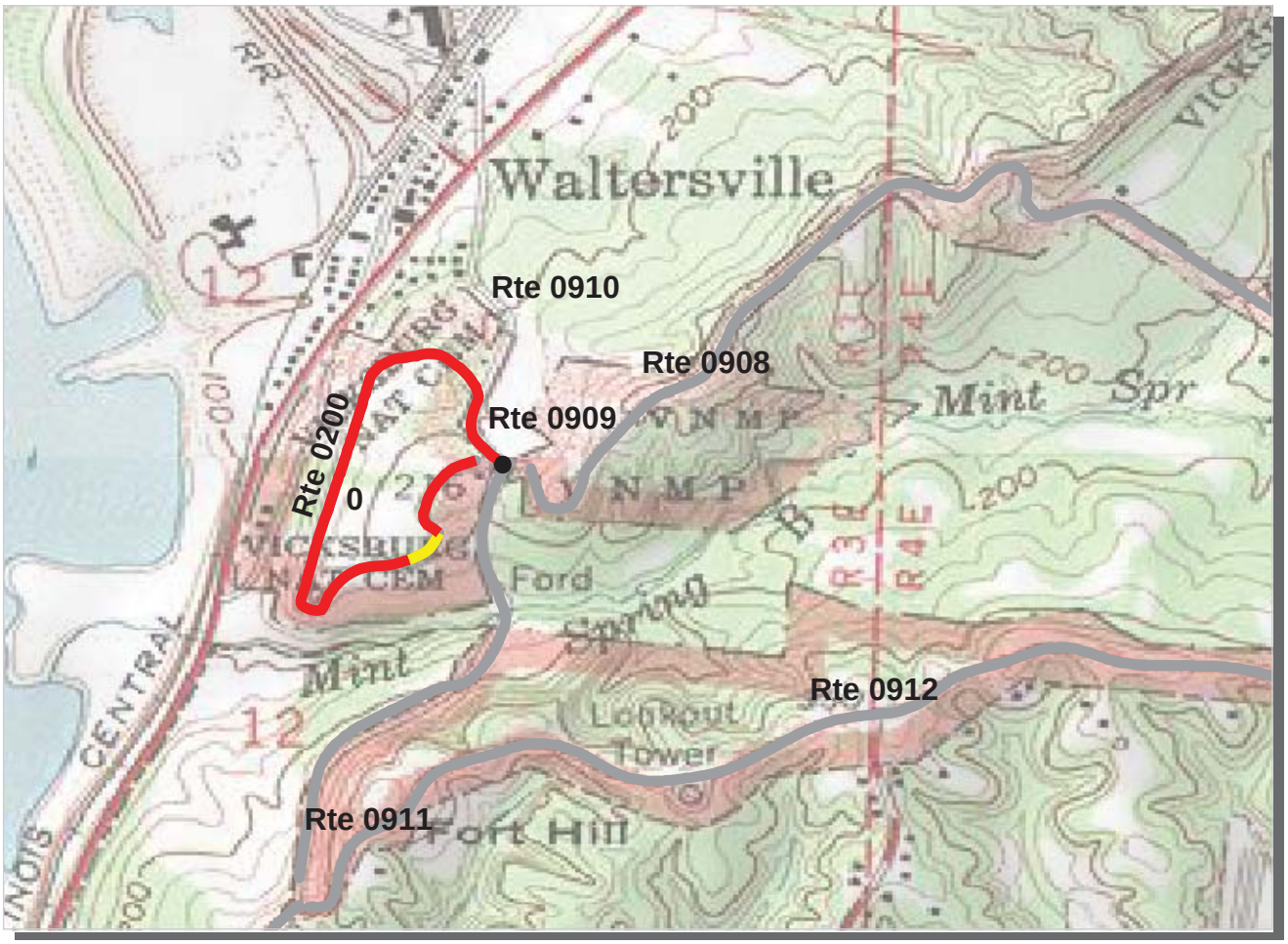
Southeast Region
VICK : Vicksburg National Military Park

ROUTE: 0020 Union Avenue **TOTAL LENGTH: 5.70 Miles**

Section Number	5				
Section Length (mi)	0.70				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	16				
Lane Width (ft)	16				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	64				
RCI (Roughness Condition Index)	80				
SCR (Surface Condition Rating)	59				
Alligator Cracking Index	100				
Rutting Index	60				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* NC designates data not collected N/A designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

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

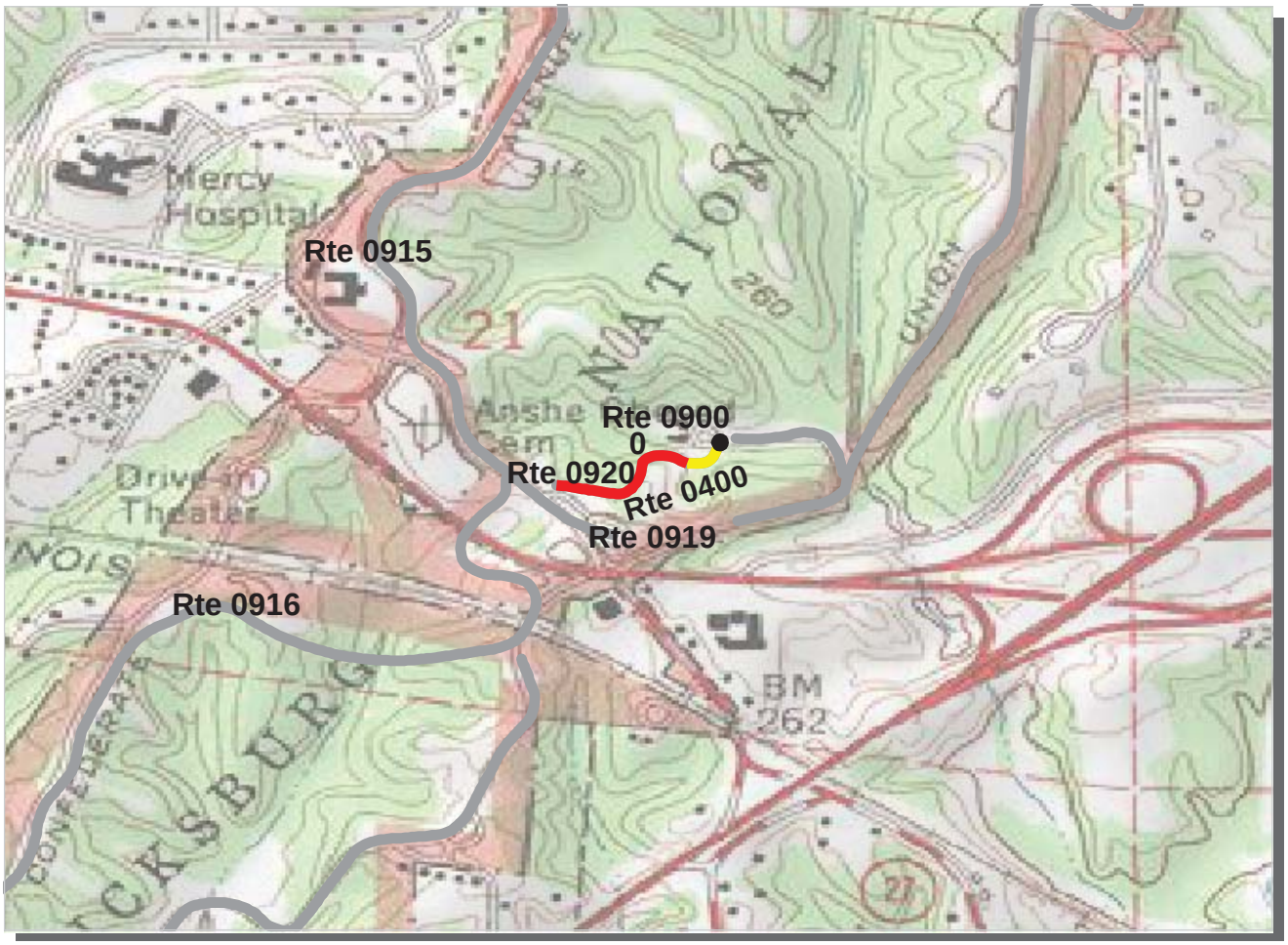
Southeast Region
VICK : Vicksburg National Military Park

ROUTE: 0200 South Cemetery Road **TOTAL LENGTH: 0.71 Miles**

Section Number	0				
Section Length (mi)	0.71				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	37				
RCI (Roughness Condition Index)	43				
SCR (Surface Condition Rating)	35				
Alligator Cracking Index	99				
Rutting Index	41				
Patching Index	100				
Tranverse Cracking Index	95				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

* NC designates data not collected N/A designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

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

Southeast Region
VICK : Vicksburg National Military Park

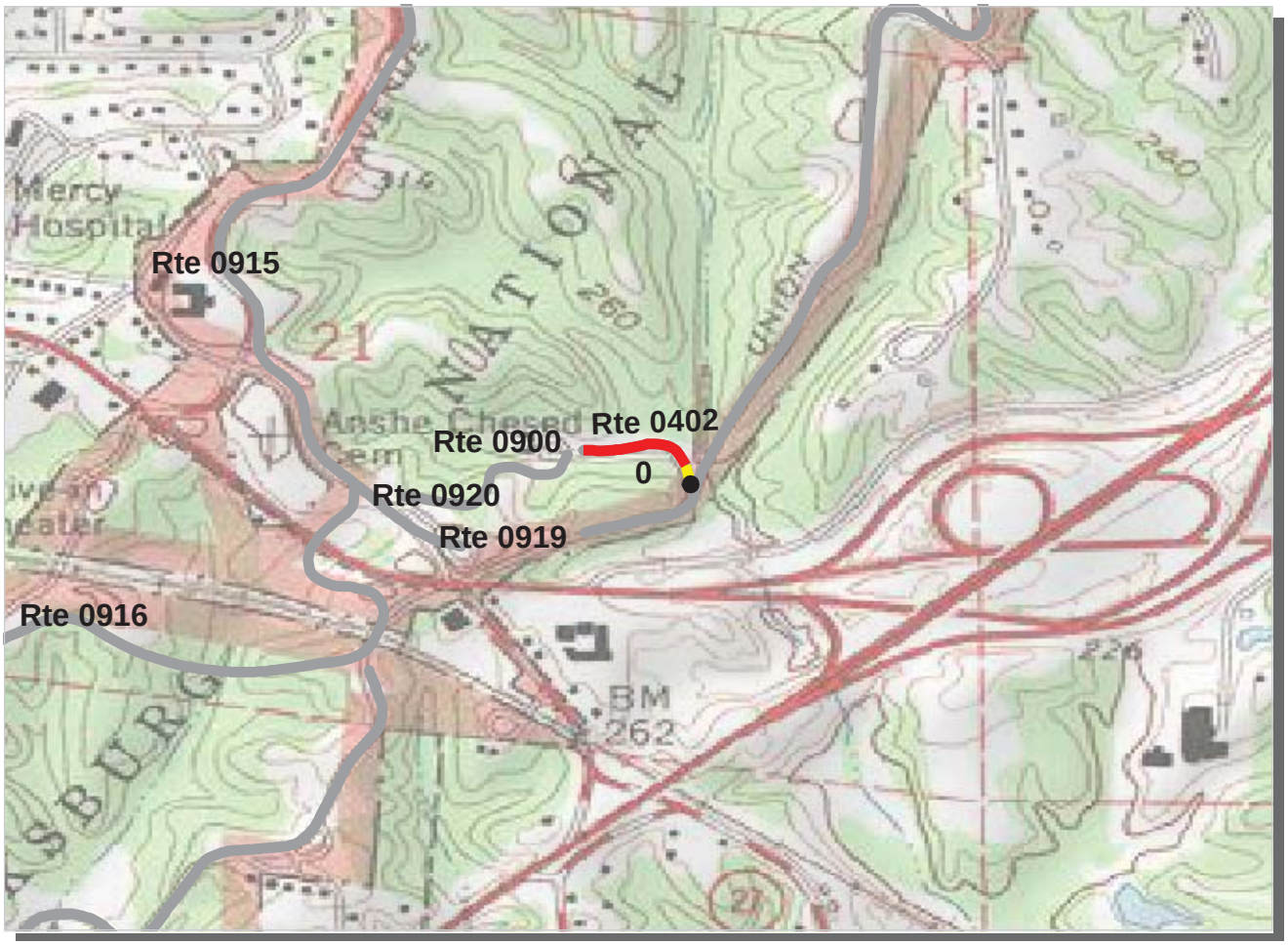
ROUTE: 0400 Visitor Service Road **TOTAL LENGTH: 0.20 Miles**

Section Number	0				
Section Length (mi)	0.20				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	51				
RCI (Roughness Condition Index)	96				
SCR (Surface Condition Rating)	50				
Alligator Cracking Index	99				
Rutting Index	56				
Patching Index	100				
Tranverse Cracking Index	94				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

* NC designates data not collected N/A designates not applicable

** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

ROUTE: 0400 Visitor Service Road



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100)

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

Southeast Region
VICK : Vicksburg National Military Park

ROUTE: 0402 Maintenance Access Road **TOTAL LENGTH: 0.13 Miles**

Section Number	0				
Section Length (mi)	0.13				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	25				
Lane Width (ft)	11				
Shoulder Width (ft)	9				
Roadway Condition Information					
PCR (Pavement Condition Rating)	56				
RCI (Roughness Condition Index)	74				
SCR (Surface Condition Rating)	53				
Alligator Cracking Index	100				
Rutting Index	53				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

* NC designates data not collected N/A designates not applicable

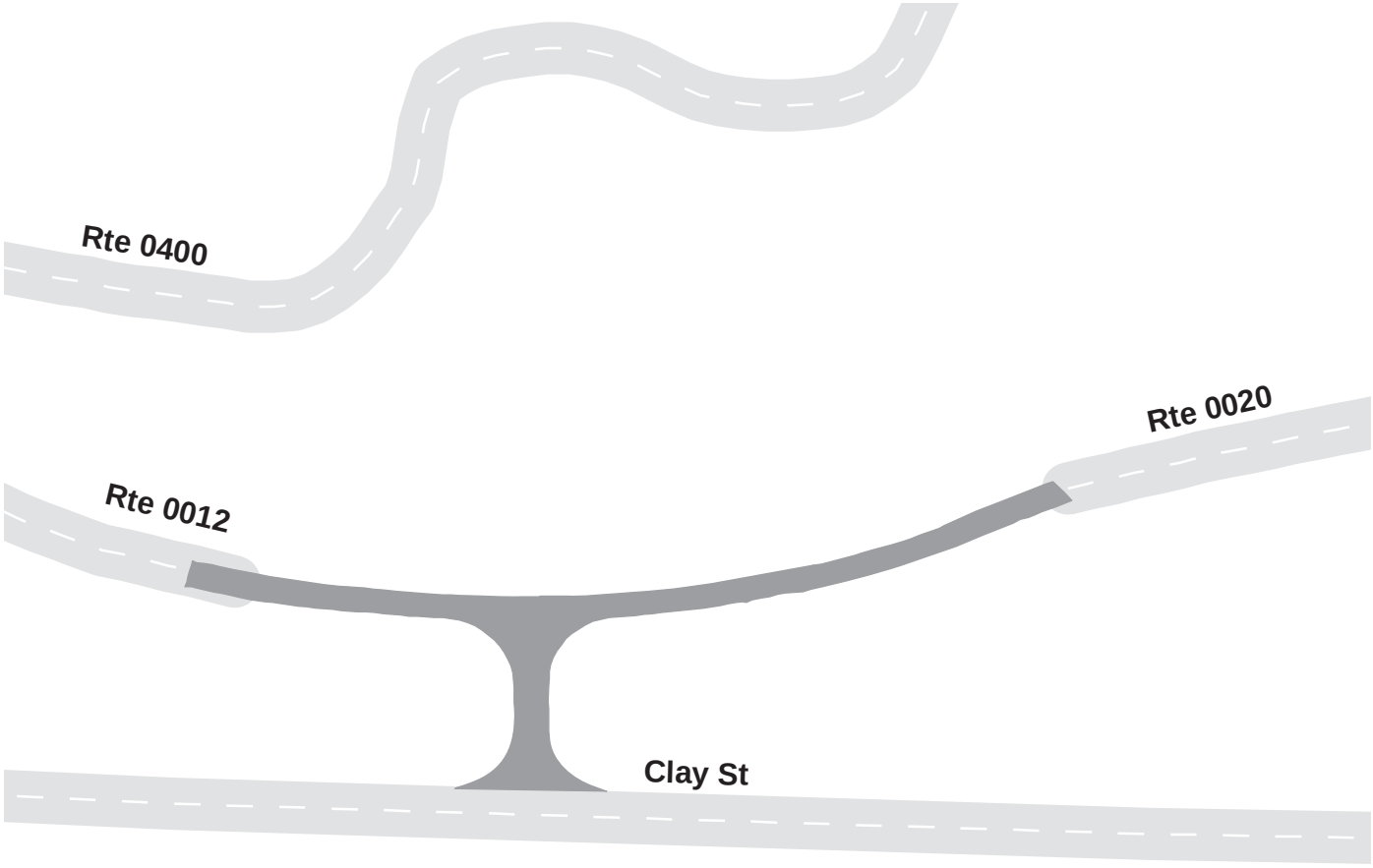
** See website for traffic data: http://www.efl.fhwa.dot.gov/nps/index.htm

ROUTE: 0402 Maintenance Access Road

Vicksburg National Military Park
Route 0013
Visitor Center Access Road
From Clay Street

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0013	0.28	0.00	16396	0.28	FAIR / 73	OC

* Lane miles are based on 11' lane widths



200 100 0 200
Feet

N

Vicksburg National Military Park
Route 0100
Ranger Station Access Road
From Route 0014 at MP 0.20

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0100	0.13	0.00	7646	0.13	FAIR / 73	AS

* Lane miles are based on 11' lane widths

100 50 0 100
Feet

N

Vicksburg National Military Park
Route 0101
Metal Arch Bridge Access Road
From Route 0012 at MP 2.40

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0101	0.12	0.00	7133	0.12	GOOD / 90	OC

* Lane miles are based on 11' lane widths

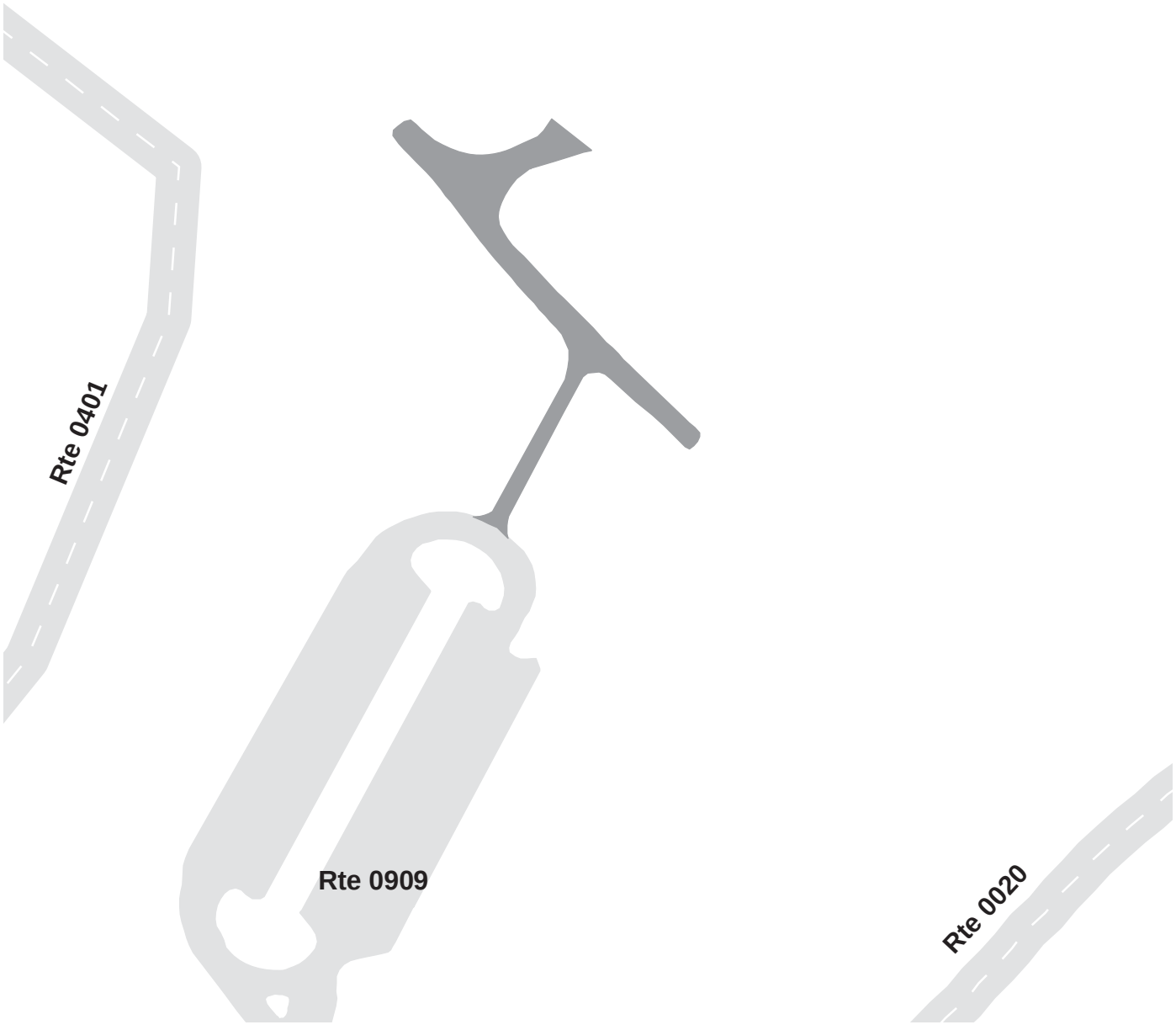
100 50 0 100
Feet

N

Vicksburg National Military Park
Route 0401
Storage Access Road
From Route 0909

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0401	0.07	0.00	8798	0.15	NC / -1	AS

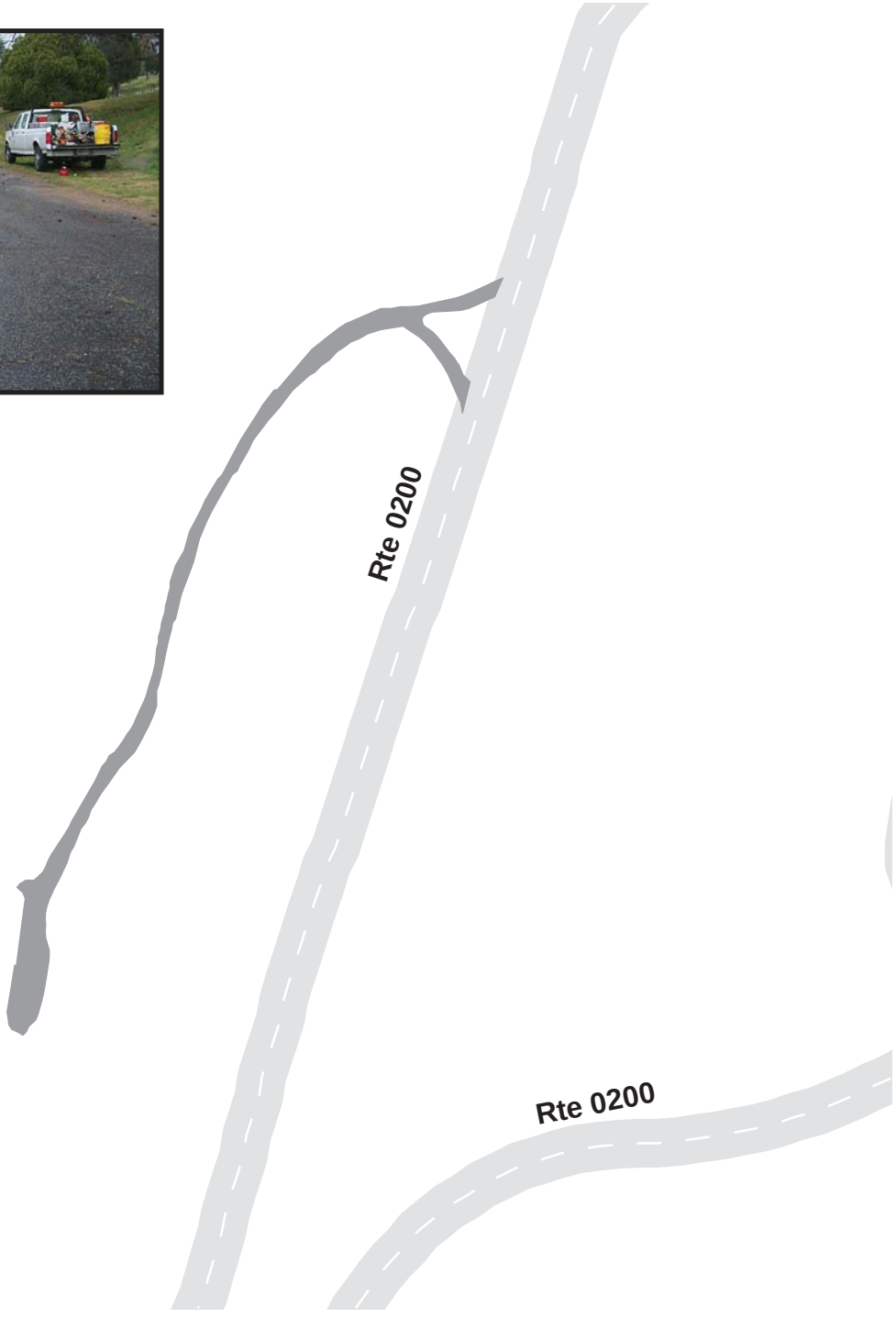
* Lane miles are based on 11' lane widths



Vicksburg National Military Park
Route 0404
Cemetery Maintenance Road
From Route 0200 at MP 0.26

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0404	0.19	0.00	11408	0.20	POOR / 45	OC

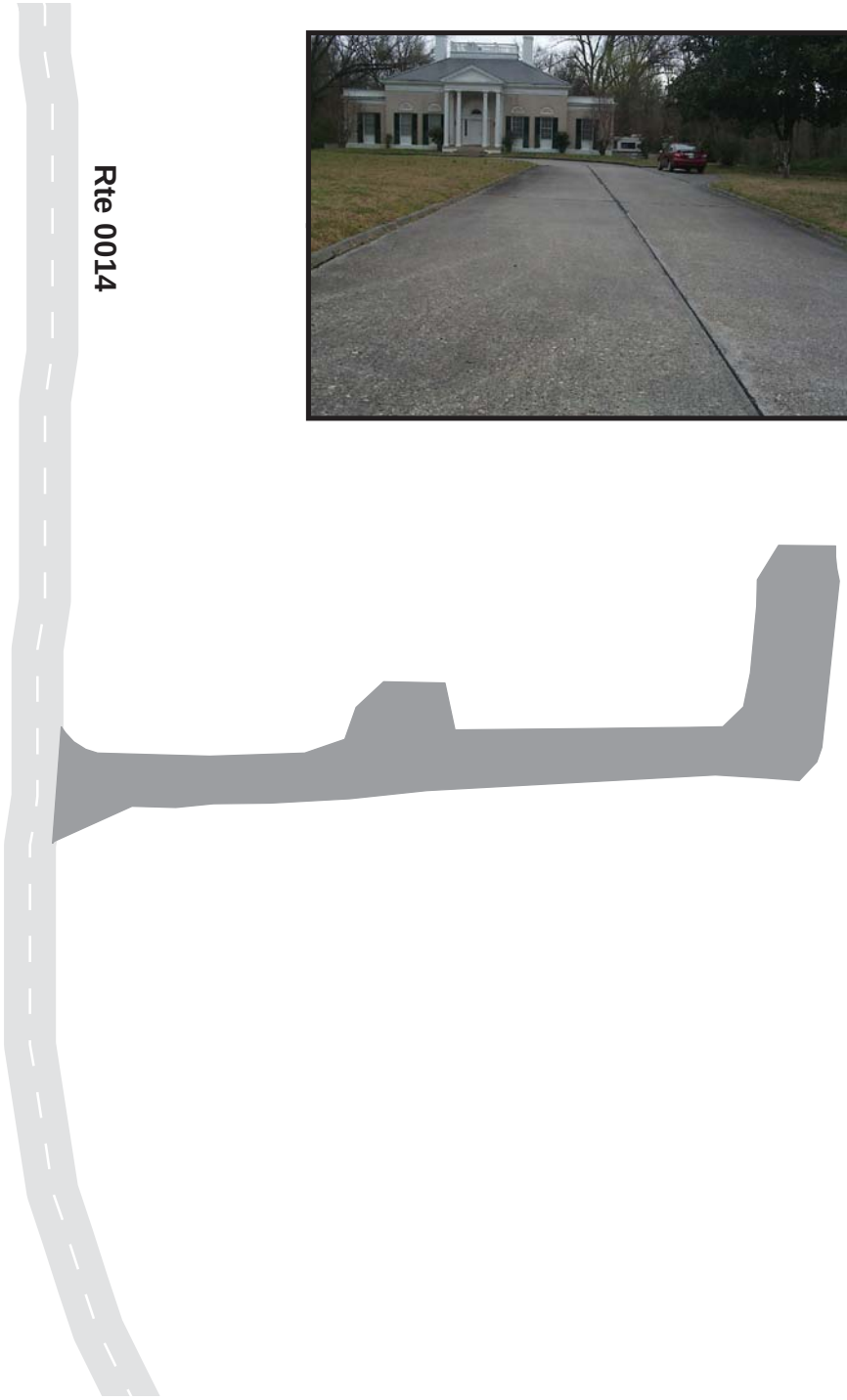
* Lane miles are based on 11' lane widths



Vicksburg National Military Park
Route 0405
Ranger Station Service Road
From Route 0014 at MP 0.10

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0405	0.12	0.00	7070	0.12	POOR / 45	OC

* Lane miles are based on 11' lane widths



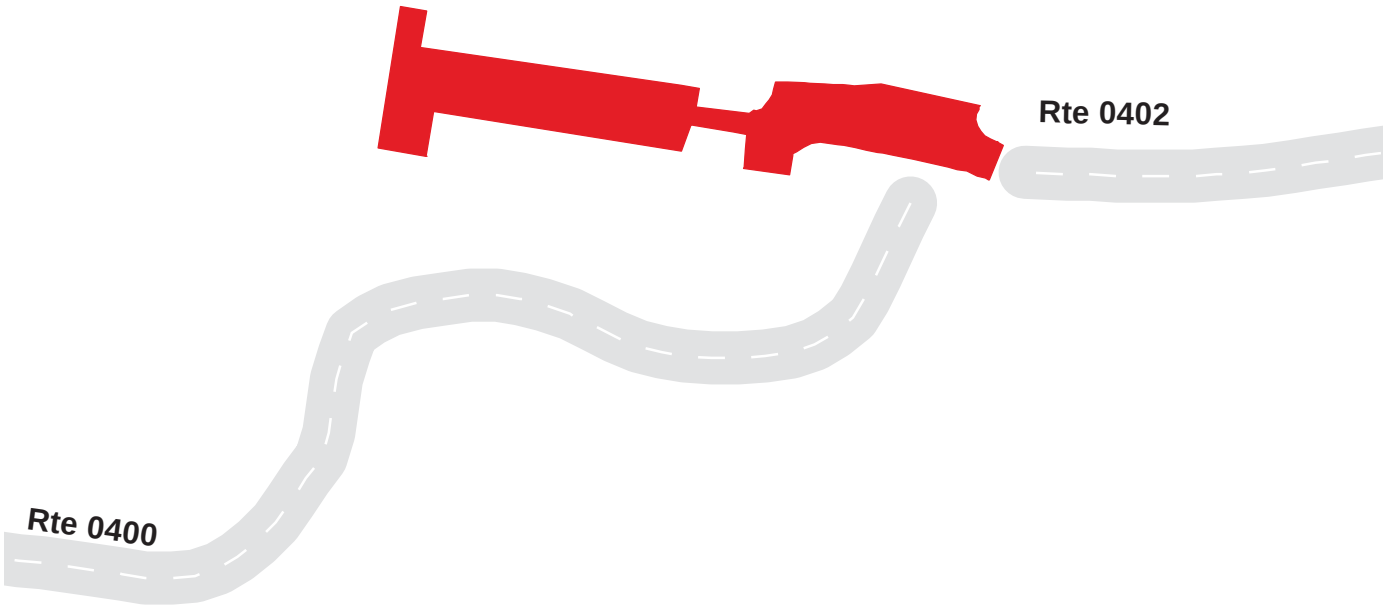
50 25 0 50
Feet

N

Vicksburg National Military Park
Route 0900
Maintenance Shop Area
At End of Route 0402 and Begin of Route 0400

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0900	NonPublic	3/11/2002	17831	0.31	CO	FAIR / 73

* Lane miles are based on 11' lane widths



200 100 0 200 Feet

N

Vicksburg National Military Park
Route 0901
Illinois Parking Area
Adjacent to Route 0015 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901	Public	3/11/2002	4201	0.07	AS	GOOD / 90

* Lane miles are based on 11' lane widths

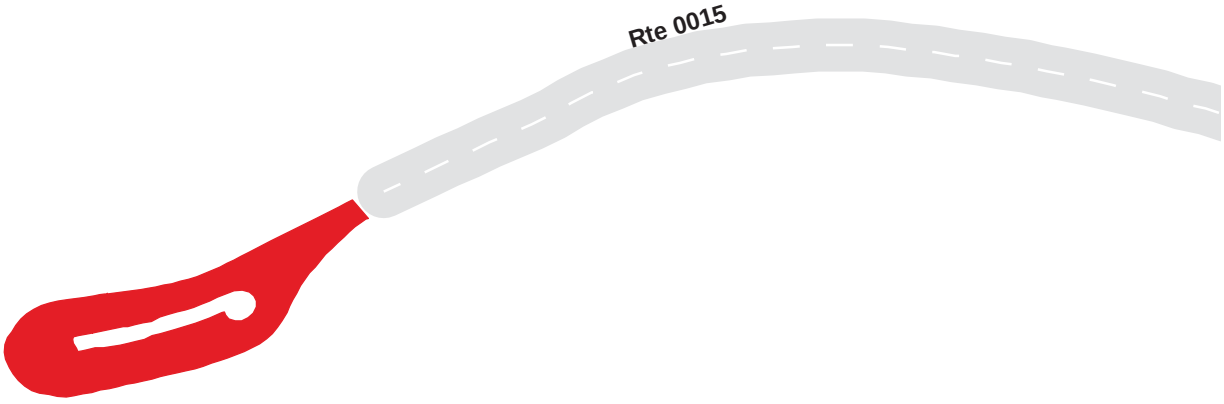
100 50 0 100
Feet

N

Vicksburg National Military Park
Route 0902
Third Louisiana Redan Parking Area
At End of Route 0015

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0902	Public	3/11/2002	13271	0.23	AS	GOOD / 90

* Lane miles are based on 11' lane widths



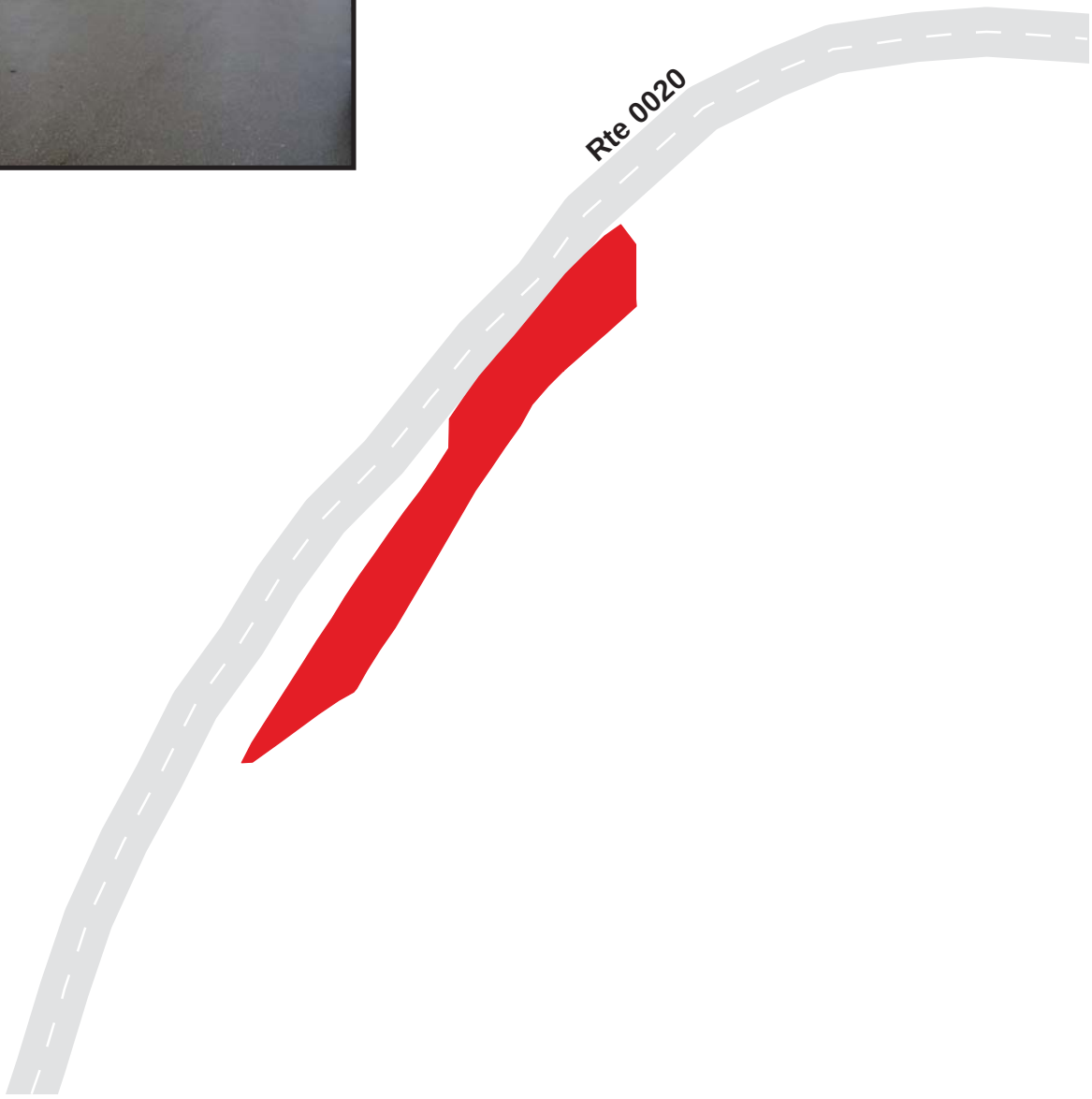
100 50 0 100
Feet

N

Vicksburg National Military Park
Route 0903A
Wisconsin Parking Area A
Adjacent to Route 0020 at MP 2.40 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903A	Public	3/11/2002	1602	0.03	AS	GOOD / 90

* Lane miles are based on 11' lane widths



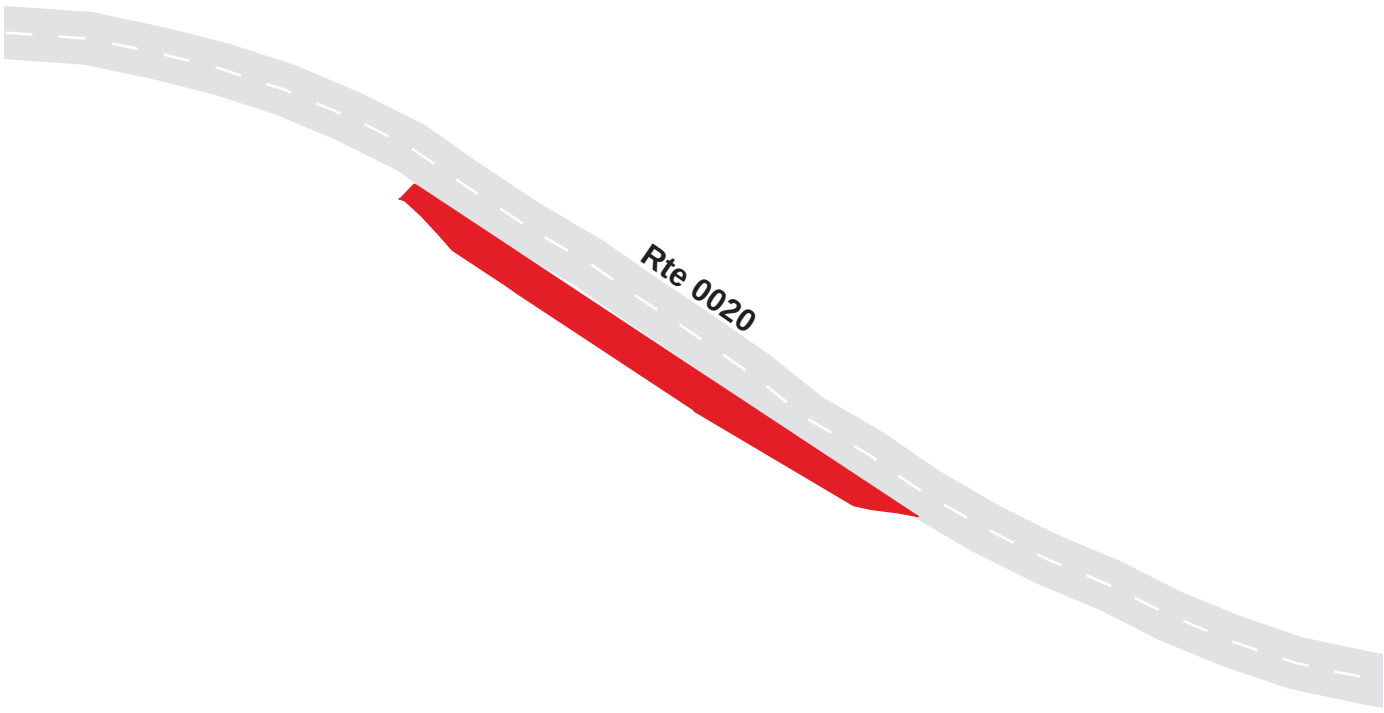
50 25 0 50 Feet

N

Vicksburg National Military Park
Route 0903B
Wisconsin Parking Area B
Adjacent to Route 0020 at MP 2.46 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903B	Public	3/11/2002	1107	0.02	AS	GOOD / 90

* Lane miles are based on 11' lane widths



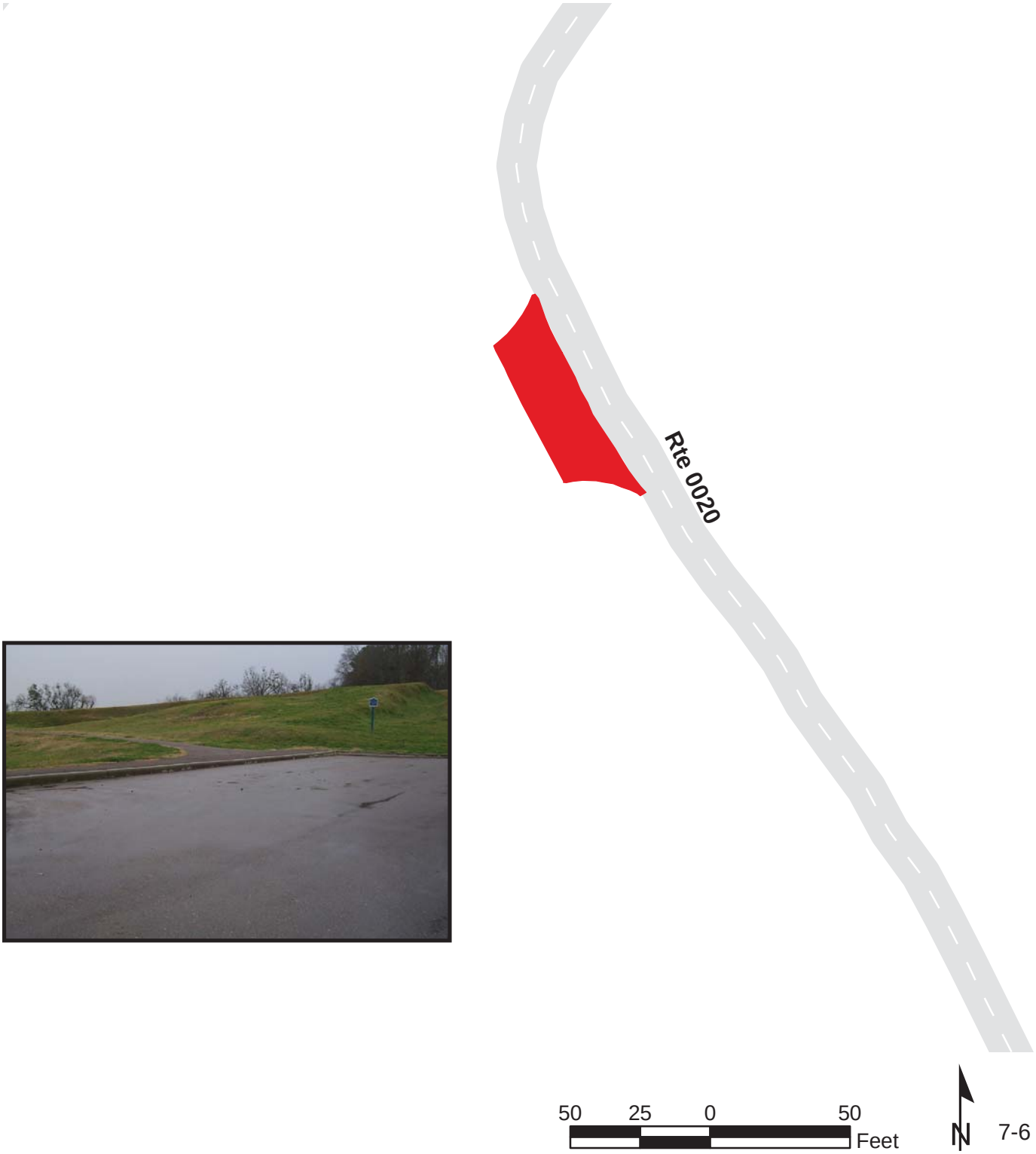
50 25 0 50
Feet

N

Vicksburg National Military Park
Route 0904
Stockade Redan Attack Parking Area
Adjacent to Route 0020 at MP 3.30 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0904	Public	3/11/2002	1175	0.02	AS	GOOD / 90

* Lane miles are based on 11' lane widths



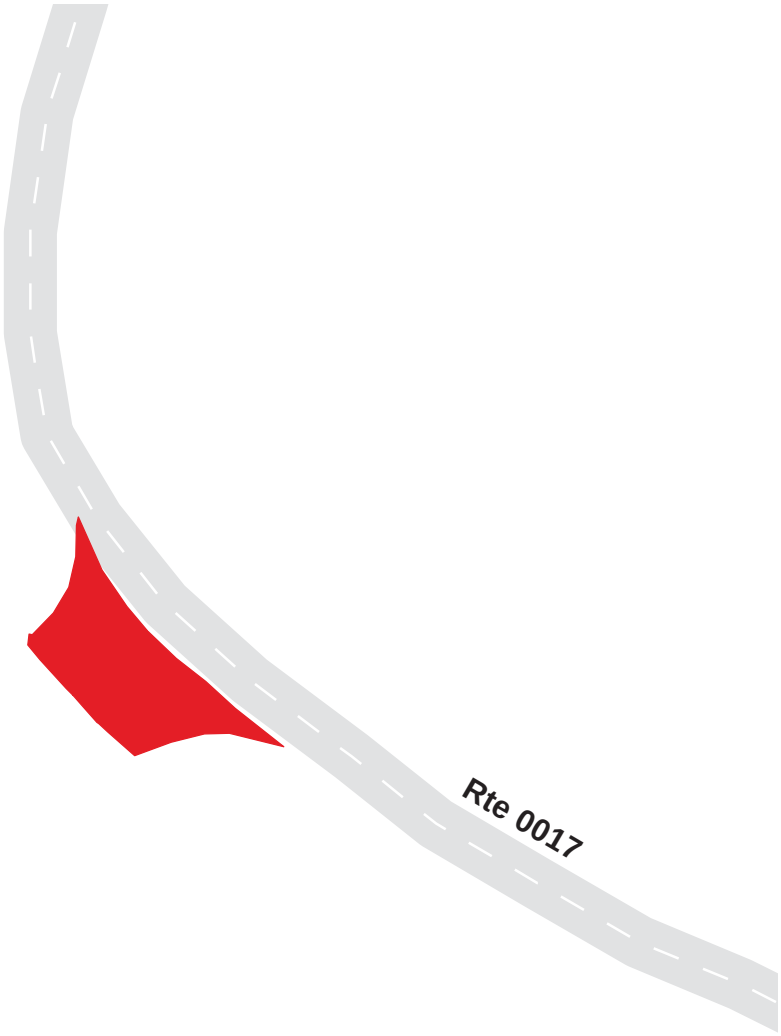
Vicksburg National Military Park
Route 0905A

New York Parking Area A

Adjacent to Route 0017 at MP 0.59 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0905A	Public	3/11/2002	472	0.01	AS	GOOD / 90

* Lane miles are based on 11' lane widths



50 25 0 50 Feet

N

Vicksburg National Military Park
Route 0905B
New York Parking Area B
Adjacent to Route 0017 at MP 0.61 on Left

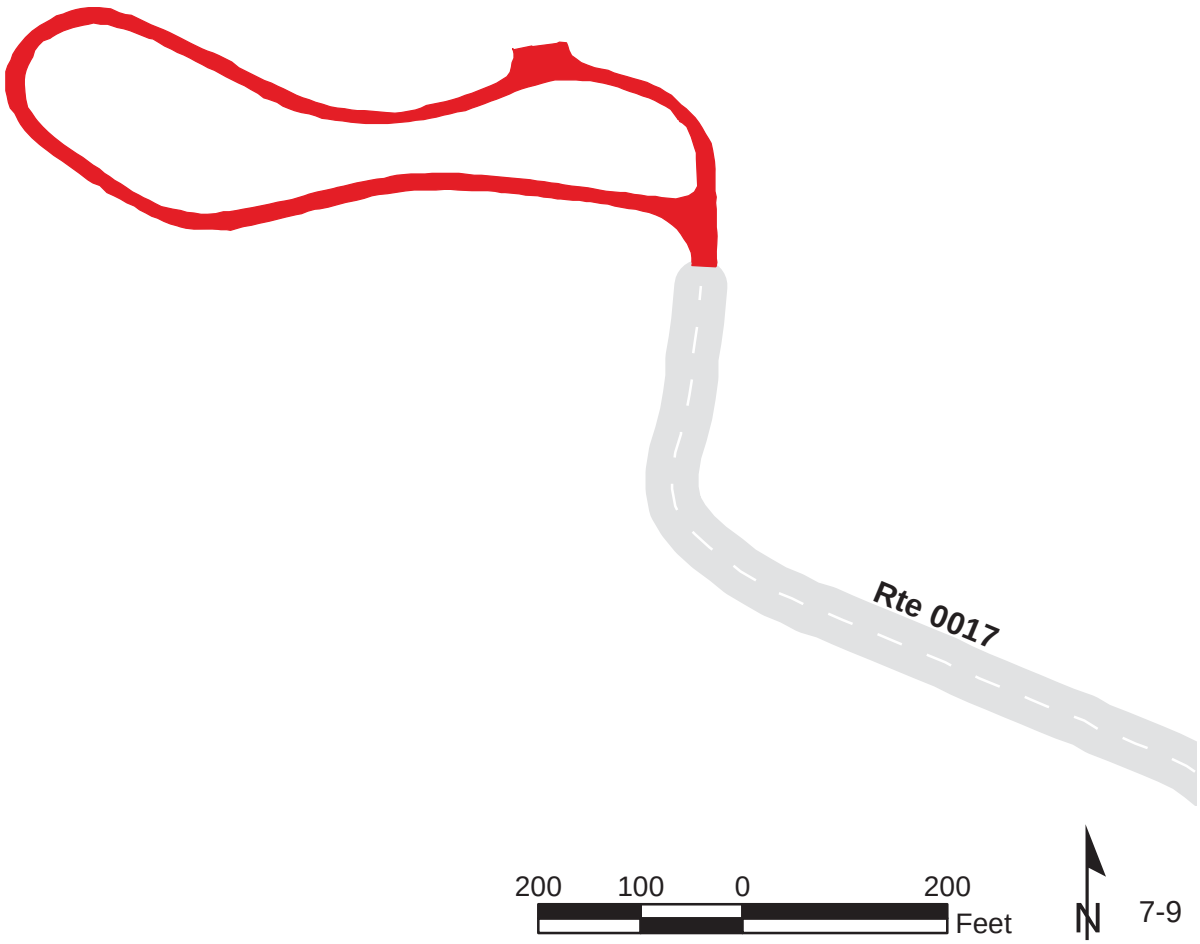
Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0905B	Public	3/11/2002	701	0.01	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Vicksburg National Military Park
Route 0906
Grant Parking Area
From End of Route 0017

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0906	Public	3/11/2002	21829	0.38	AS	GOOD / 90

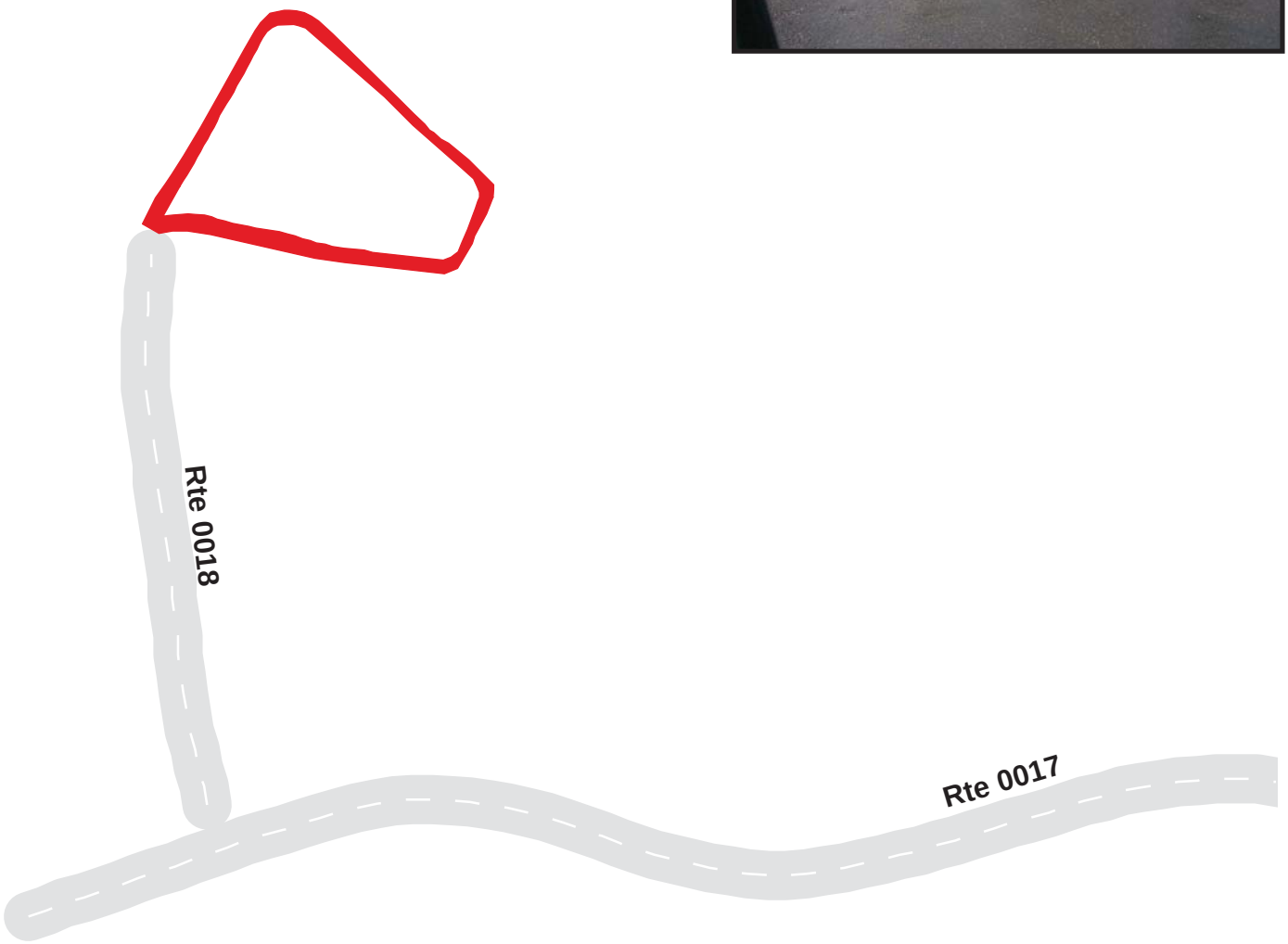
* Lane miles are based on 11' lane widths



Vicksburg National Military Park
Route 0907
Sherman Parking Area
From End of Route 0018

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0907	Public	3/11/2002	8871	0.15	OC	GOOD / 90

* Lane miles are based on 11' lane widths



Vicksburg National Military Park
Route 0908
Navy Parking Area
Adjacent to Route 0020 at MP 5.40 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0908	Public	3/11/2002	2046	0.04	AS	GOOD / 90

* Lane miles are based on 11' lane widths

50 25 0 50
Feet

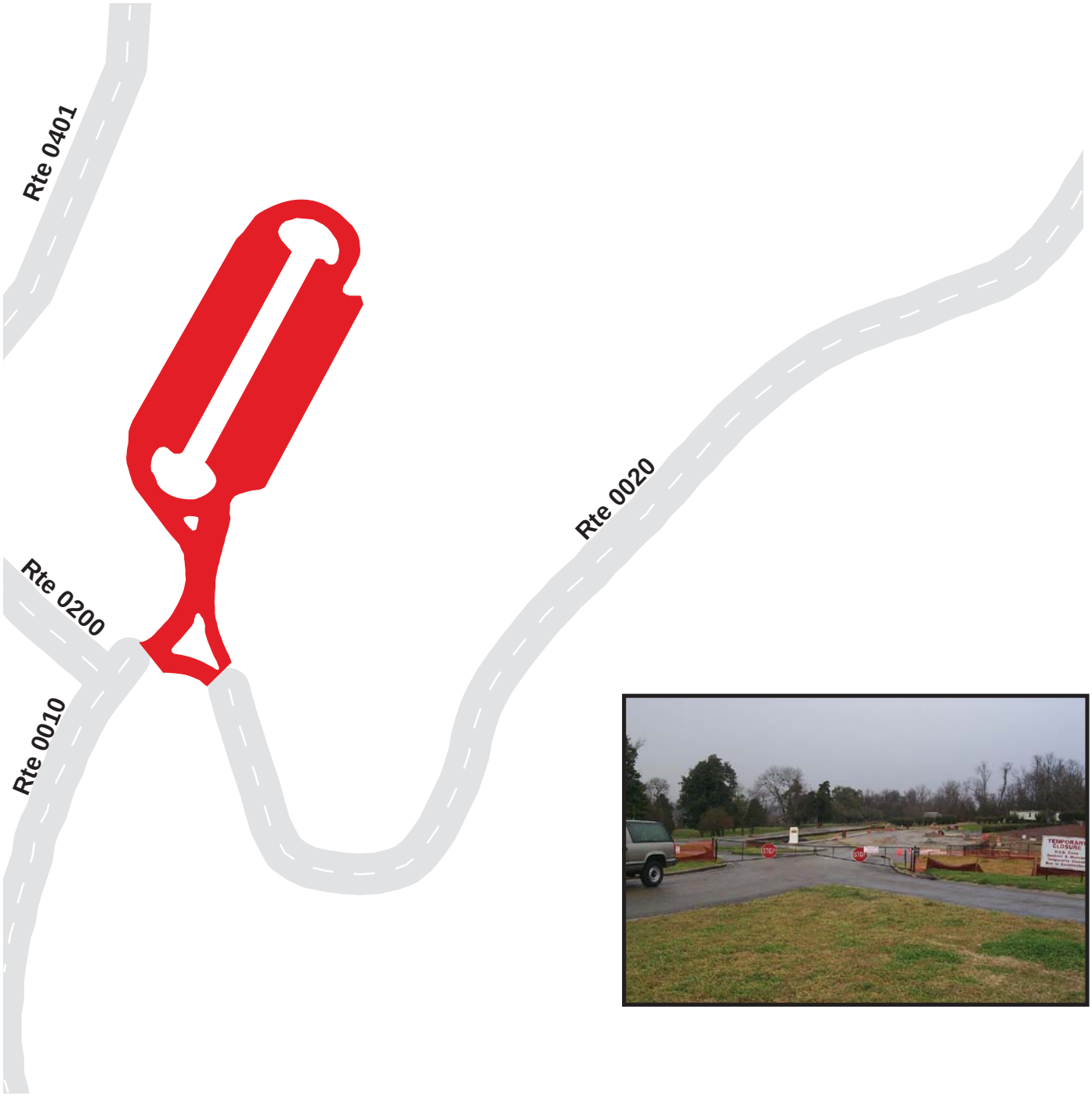
N

7-11

Vicksburg National Military Park
Route 0909
Cairo Museum Parking Area
From End of Route 0020 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0909	Public	3/11/2002	44993	0.77	OT	NC / -1

* Lane miles are based on 11' lane widths



200 100 0 200
Feet

N

7-12

Vicksburg National Military Park
Route 0910
Cairo Maintenance Area
From Route 0401

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0910	NonPublic	3/11/2002	22235	0.38	OT	NC / -1

* Lane miles are based on 11' lane widths

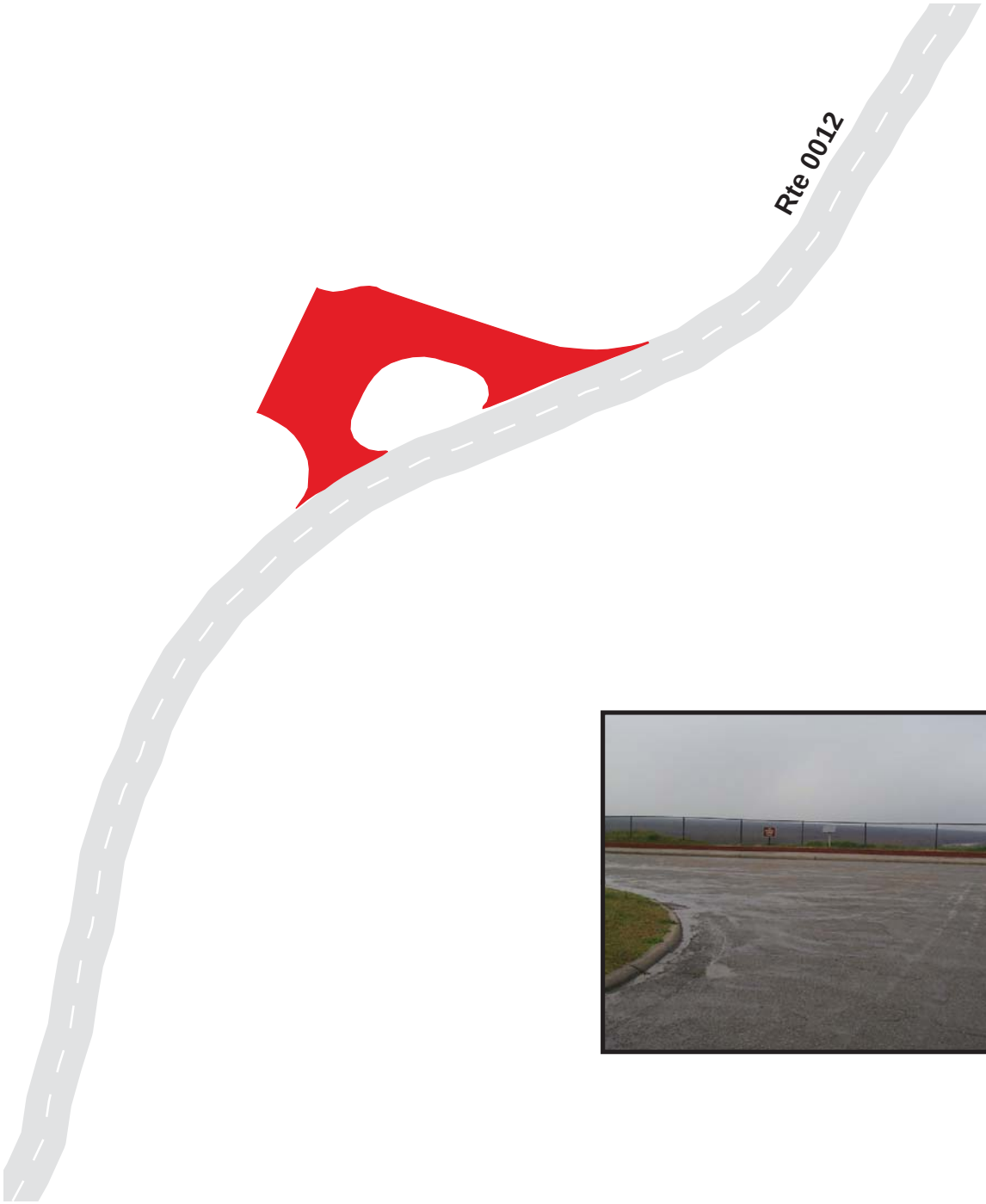
100 50 0 100
Feet

N

Vicksburg National Military Park
Route 0911
Fort Hill Parking Area
Adjacent to Route 0012 at MP 0.10 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0911	Public	3/11/2002	6003	0.10	OC	POOR / 45

* Lane miles are based on 11' lane widths



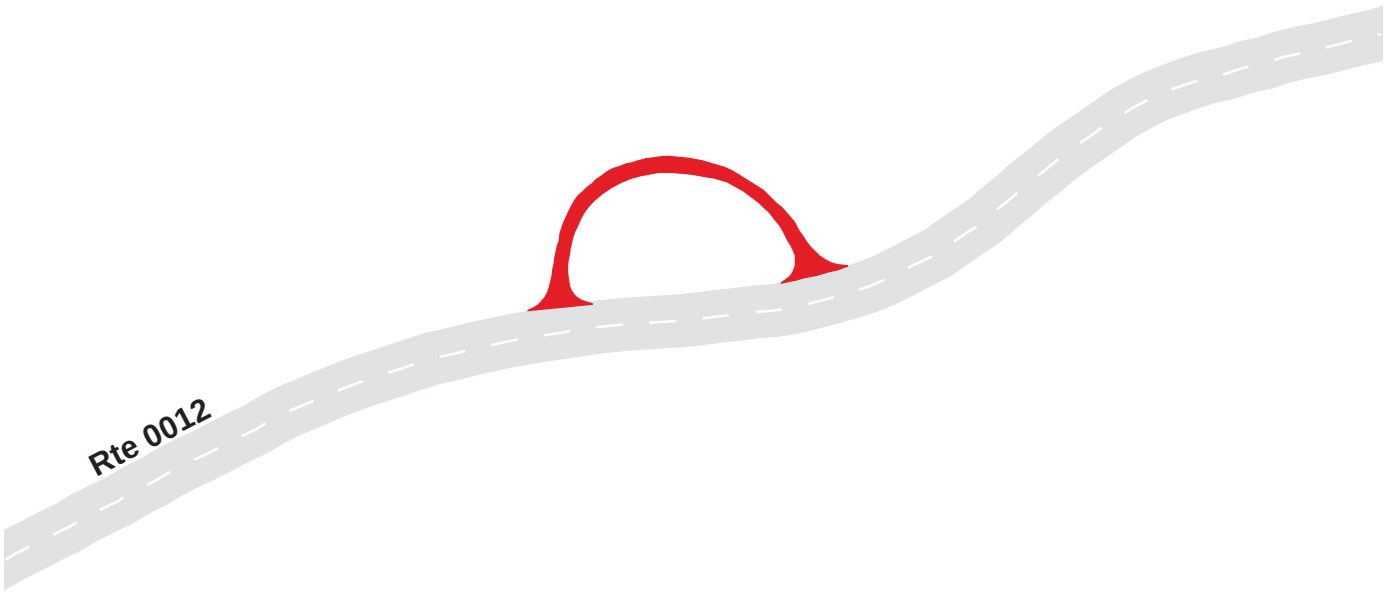
100 50 0 100
Feet

N

Vicksburg National Military Park
Route 0912
Tennessee Circle
Adjacent to Route 0012 at MP 0.60 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0912	Public	3/11/2002	5077	0.09	OC	FAIR / 73

* Lane miles are based on 11' lane widths



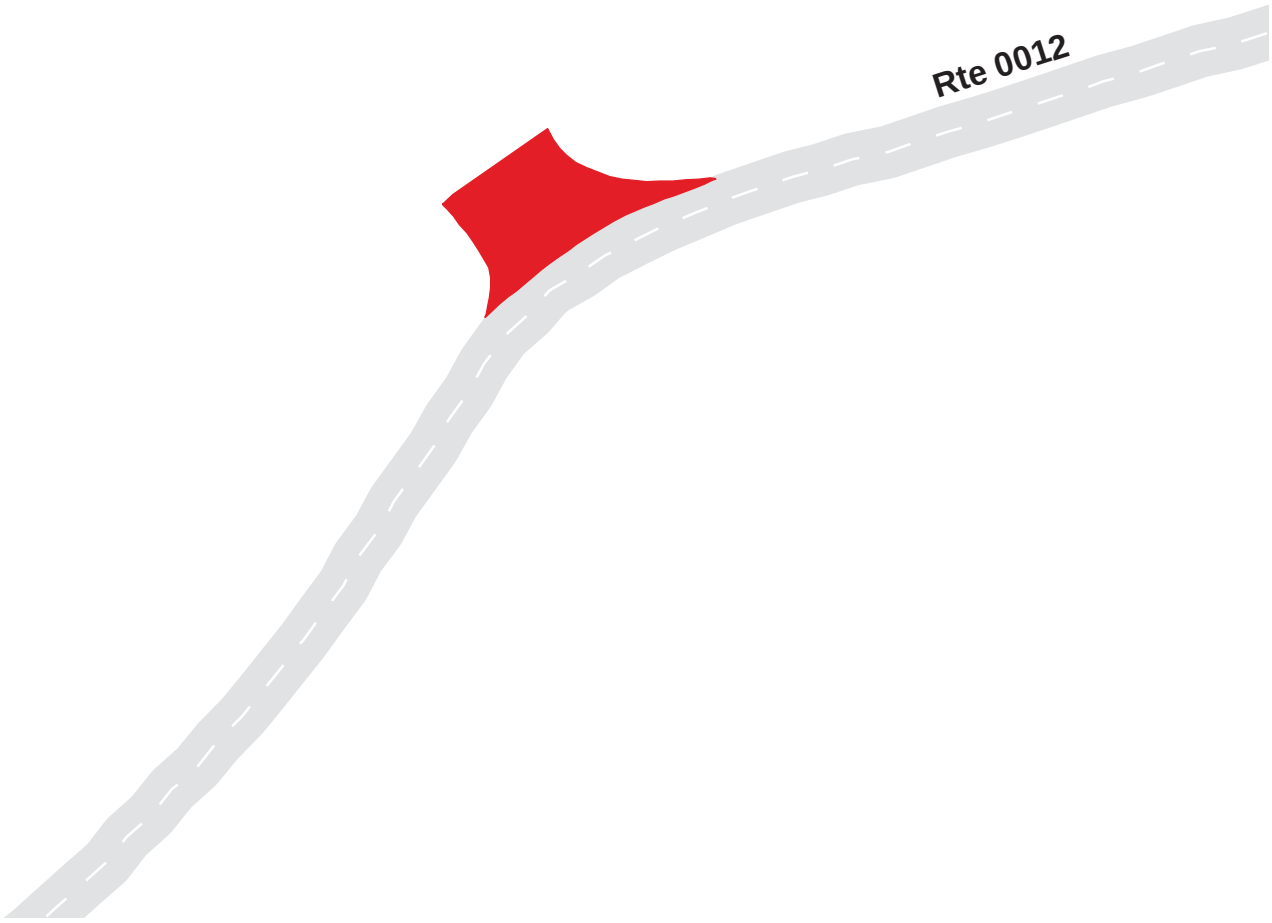
100 50 0 100
Feet

N

Vicksburg National Military Park
Route 0913
Louisiana Parking Area
Adjacent to Route 0012 at MP 2.82 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0913	Public	3/11/2002	4587	0.08	CO	POOR / 45

* Lane miles are based on 11' lane widths



100 50 0 100
Feet

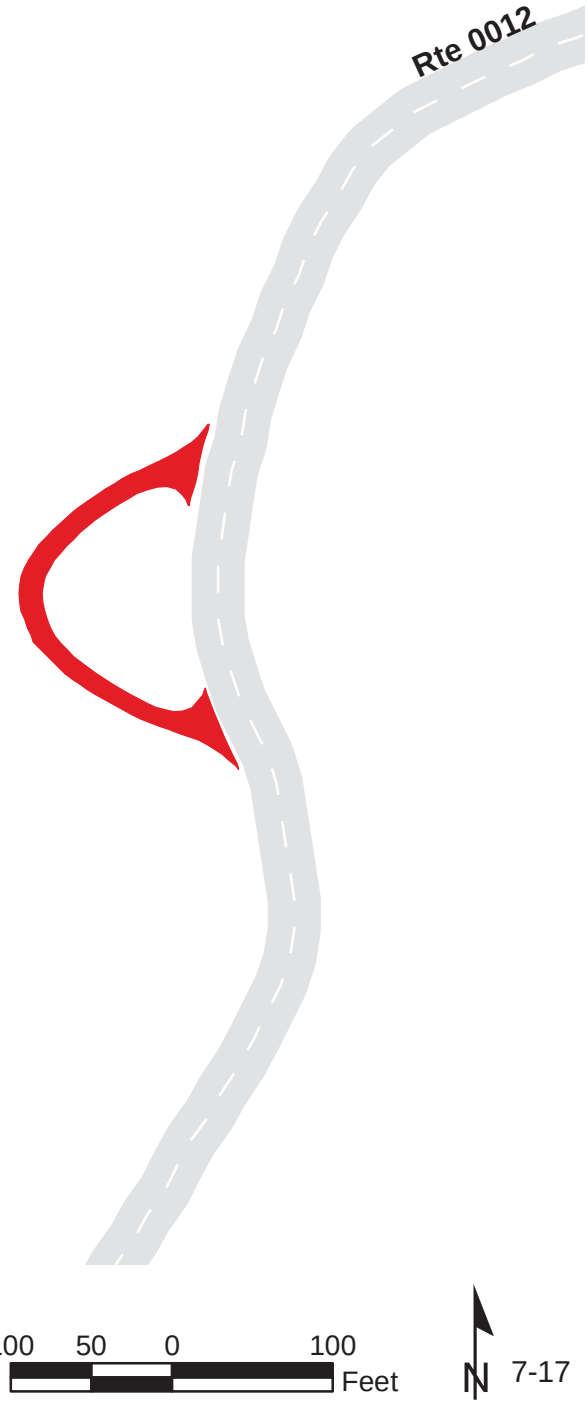
N

7-16

Vicksburg National Military Park
Route 0914
Pemberton Circle
From Route 0012 at MP 3.26 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0914	Public	3/11/2002	3668	0.06	OC	GOOD / 90

* Lane miles are based on 11' lane widths



Vicksburg National Military Park
Route 0915

Jefferson Davis/Picnic Parking A

Adjacent to Route 0012 at MP 3.60 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0915	Public	3/11/2002	7498	0.13	OC	GOOD / 90

* Lane miles are based on 11' lane widths

100 50 0 100

Feet

N

7-18

Vicksburg National Military Park
Route 0916
Texas Parking Area
Adjacent to Route 0019 at MP 0.50 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0916	Public	3/11/2002	4830	0.08	OC	GOOD / 90

* Lane miles are based on 11' lane widths

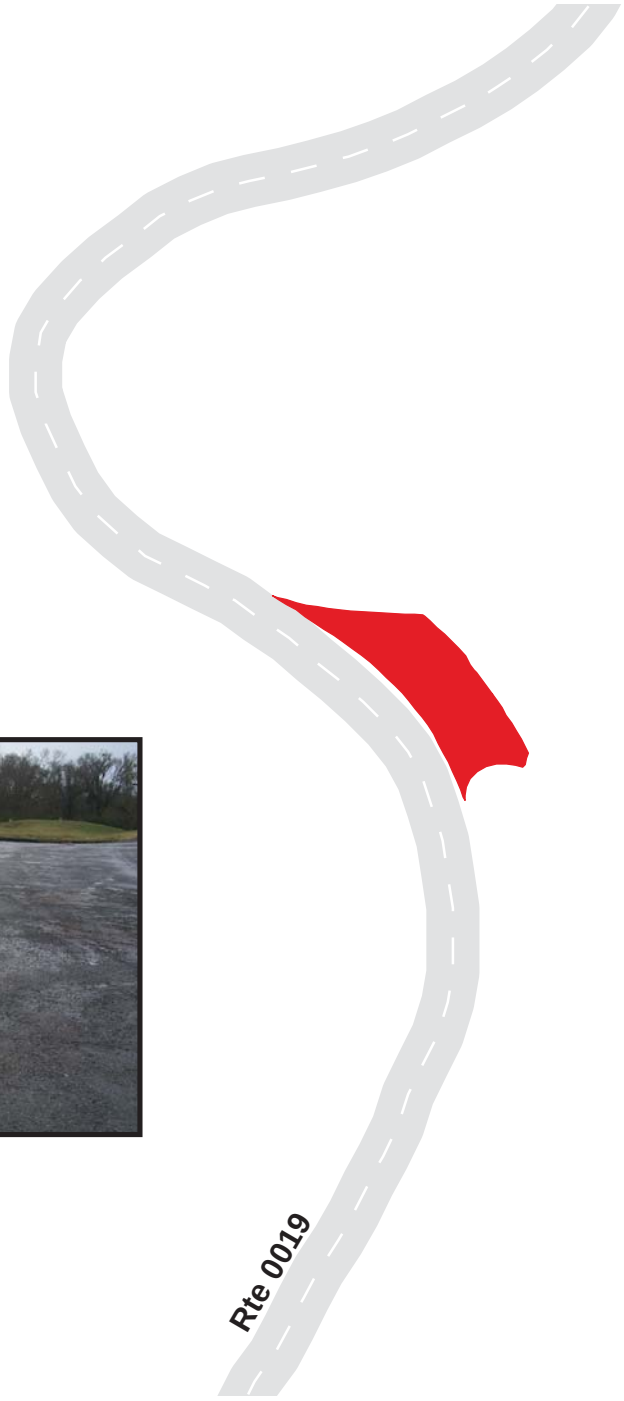
100 50 0 100
Feet

N

Vicksburg National Military Park
Route 0917
Fort Garrott Parking Area
Adjacent to Route 0019 at MP 1.20 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0917	Public	3/11/2002	4081	0.07	OC	POOR / 45

* Lane miles are based on 11' lane widths



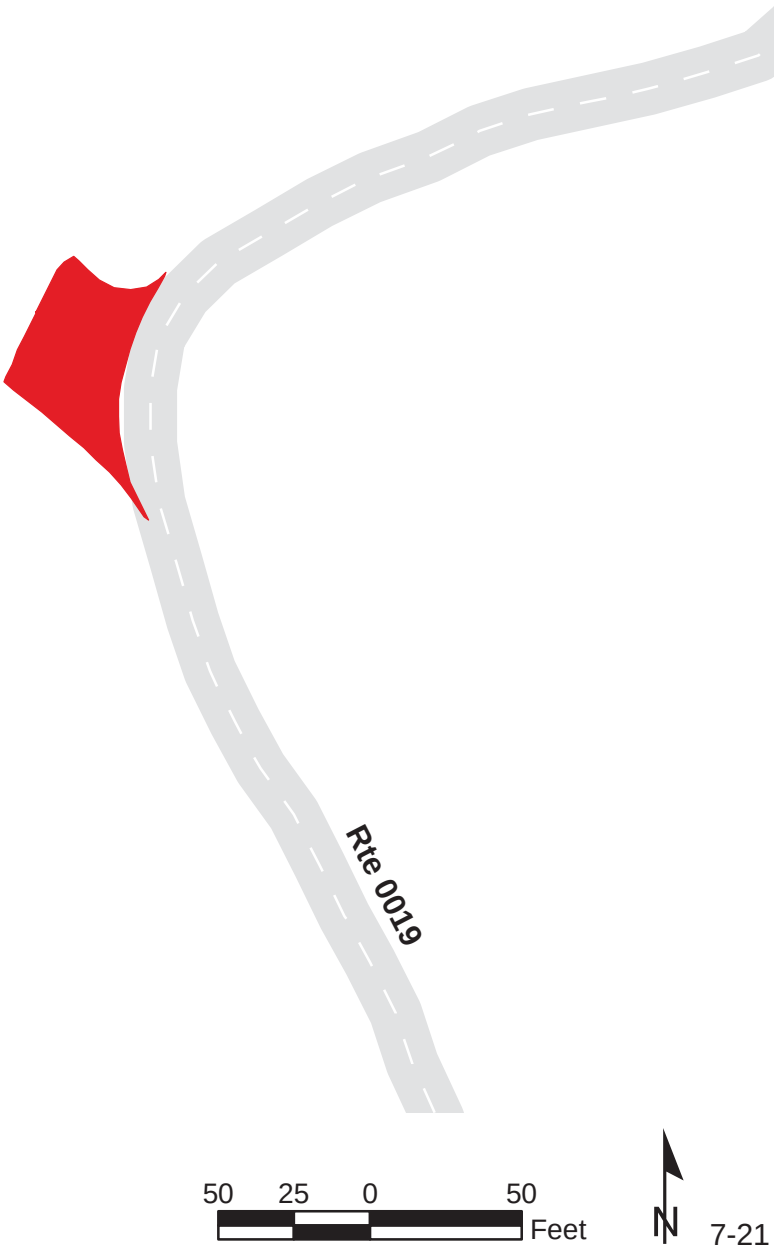
100 50 0 100
Feet

N

Vicksburg National Military Park
Route 0918
Hovey's Approach Parking Area
Adjacent to Route 0019 at MP 1.64 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0918	Public	3/11/2002	1614	0.03	OC	POOR / 45

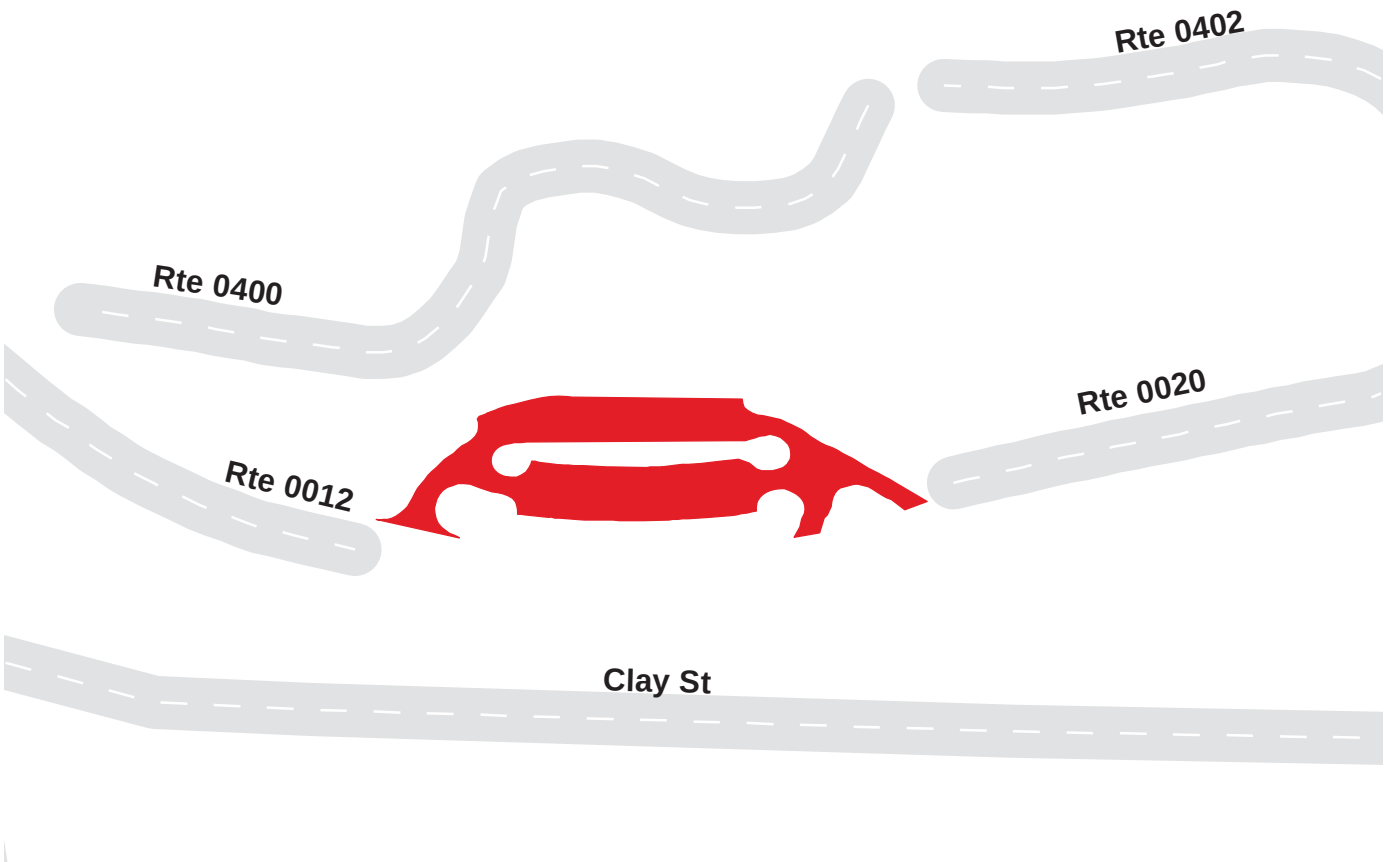
* Lane miles are based on 11' lane widths



Vicksburg National Military Park
Route 0919
Visitor Center Parking Area
From End Route 0012 and Route 0013

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0919	Public	3/11/2002	36483	0.63	OC	POOR / 45

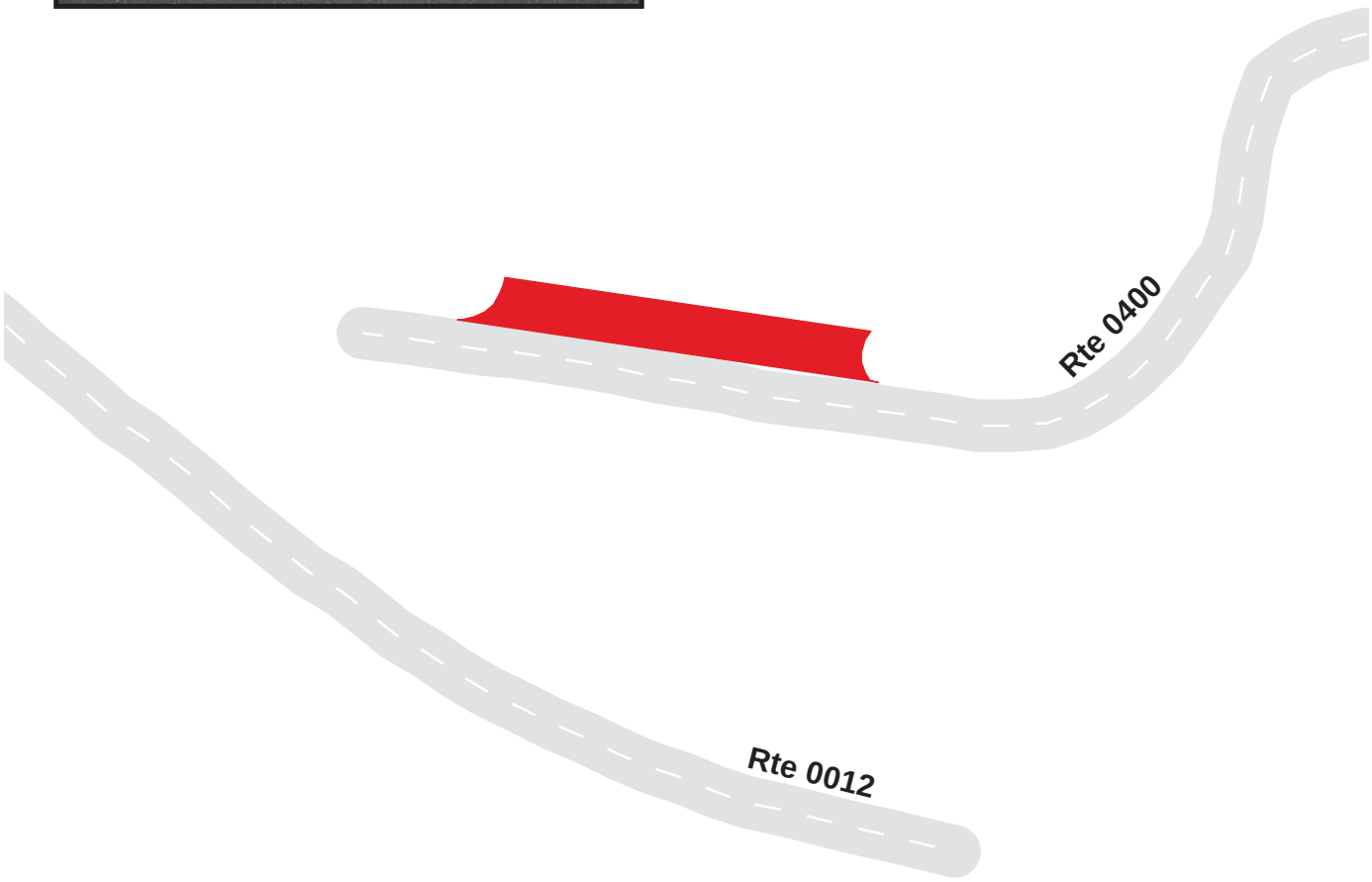
* Lane miles are based on 11' lane widths



Vicksburg National Military Park
Route 0920
Visitor Service Road Parking Area
Adjacent to Route 0400 on Right next to Visitor Center

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0920	NonPublic	3/11/2002	4119	0.07	CO	FAIR / 73

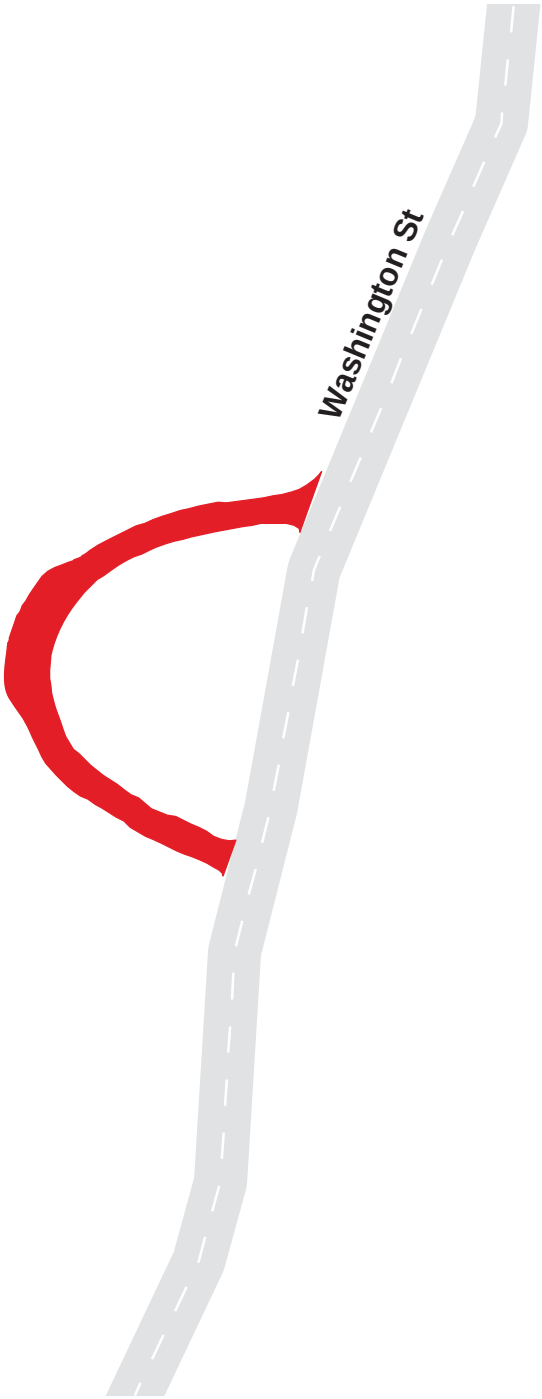
* Lane miles are based on 11' lane widths



Vicksburg National Military Park
Route 0921
Louisiana Circle
From Washington Street

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0921	Public	3/11/2002	9001	0.15	CO	GOOD / 90

* Lane miles are based on 11' lane widths



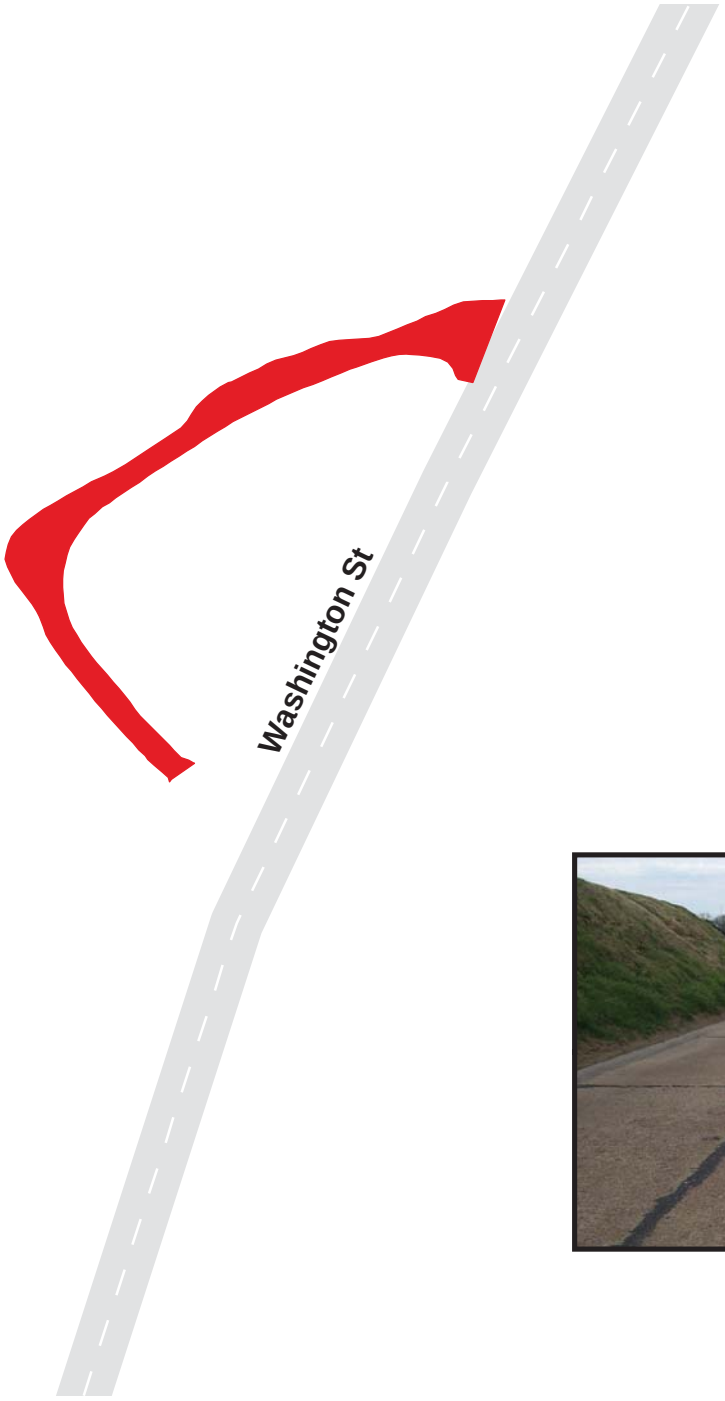
200 100 0 200 Feet

N

Vicksburg National Military Park
Route 0922
Navy Circle
From Washington Street

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0922	Public	3/11/2002	9925	0.17	CO	FAIR / 73

* Lane miles are based on 11' lane widths



100 50 0 100
Feet

N

Vicksburg National Military Park
Route 0923
Grant's Canal
Adjacent to Old Highway 80 on left (Outside of Park)

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0923	Public	3/11/2002	2568	0.04	CO	GOOD / 90

* Lane miles are based on 11' lane widths

50 25 0 50 Feet

N

VICK: PARKWIDE MAINTENANCE FEATURES SUMMARY

FEATURE	*PARK TOTAL*	*UNIT*
BRIDGE	12	EACH
CATTLE GUARD	0	EACH
CULVERT	22	EACH
CURB	70,804	LINEAR FEET
DROP INLET	123	EACH
GUARD WALL	0	LINEAR FEET
GUARDRAIL	2,764	LINEAR FEET
INTERSECTION	45	EACH
LOW WATER CROSSING	1	EACH
OVERHEAD SIGN	0	EACH
PARK BOUNDARY	0	EACH
PAVED DITCH	12,755	LINEAR FEET
PULLOUT	24	EACH
RAILROAD CROSSING	0	EACH
RETAINING WALL	1	EACH
STATE BOUNDARY	0	EACH
TRAFFIC LIGHT	0	EACH
TUNNEL	0	EACH
TURNOUT	190	LINEAR FEET

VICK: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0010 CONNECTING AVENUE	ROUTE 0011 FORT HILL DRIVE	ROUTE 0012 CONFEDERATE AVENUE	ROUTE 0014 PEMBERTON AVENUE	ROUTE 0015 SHIRLEY CIRCLE	ROUTE 0016 OLD GRAVEYARD ROAD	UNIT
BRIDGE	1	0	1	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	1	0	4	0	0	1	EACH
CURB	659	618	16,664	512	961	222	LINEAR FEET
DROP INLET	0	1	30	2	2	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	229	0	961	0	0	0	LINEAR FEET
INTERSECTION	0	0	15	2	2	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	1,683	0	3,501	348	0	0	LINEAR FEET
PULLOUT	0	0	6	0	1	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	1	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

VICK: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0017 GRANT AVENUE	ROUTE 0018 SHERMAN'S CIRCLE	ROUTE 0019 SOUTH LOOP	ROUTE 0020 UNION AVENUE	ROUTE 0200 SOUTH CEMETERY ROAD	ROUTE 0400 VISITORS CENTRE SERVICE RD	UNIT
BRIDGE	0	0	5	5	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	5	8	1	0	EACH
CURB	3,675	586	14,868	29,484	1,251	1,304	LINEAR FEET
DROP INLET	6	2	23	53	1	3	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	612	961	0	0	LINEAR FEET
INTERSECTION	2	1	6	7	5	3	EACH
LOW WATER CROSSING	0	0	1	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	3,860	1,008	2,144	106	LINEAR FEET
PULLOUT	2	0	3	11	1	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	190	0	0	LINEAR FEET

VICK: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	*ROUTE 0402 MAINTENANCE ACCESS ROAD*	*UNIT*
BRIDGE	0	EACH
CATTLE GUARD	0	EACH
CULVERT	2	EACH
CURB	0	LINEAR FEET
DROP INLET	0	EACH
GUARD WALL	0	LINEAR FEET
GUARDRAIL	0	LINEAR FEET
INTERSECTION	2	EACH
LOW WATER CROSSING	0	EACH
OVERHEAD SIGN	0	EACH
PARK BOUNDARY	0	EACH
PAVED DITCH	106	LINEAR FEET
PULLOUT	0	EACH
RAILROAD CROSSING	0	EACH
RETAINING WALL	0	EACH
STATE BOUNDARY	0	EACH
TRAFFIC LIGHT	0	EACH
TUNNEL	0	EACH
TURNOUT	0	LINEAR FEET

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : CONNECTING AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 020, SOUTH
0.018	0.136	PAVED DITCH	LEFT	
0.019	0.101	CURB	RIGHT	
0.139	0.161	GUARDRAIL	LEFT	
0.141	0.163	GUARDRAIL	RIGHT	
0.143	0.161	BRIDGE	N/A	
0.162	0.205	PAVED DITCH	LEFT	
0.165	0.222	PAVED DITCH	RIGHT	
0.274	0.307	RETAINING WALL	LEFT	
0.328	0.429	PAVED DITCH	LEFT	
0.380	0.423	CURB	RIGHT	
0.474	0.474	CULVERT	N/A	
0.520	0.520			ROUTE ENDS AT RTE 012

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : FORT HILL DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 012, SOUTH
0.007	0.067	CURB	LEFT	
0.012	0.069	CURB	RIGHT	
0.025	0.025	DROP INLET	LEFT	
0.070	0.070			ROUTE ENDS AT SOUTH BOUNDARY ON RIGHT

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : CONFEDERATE AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 010
0.006	0.006	INTERSECTION	RIGHT	
0.007	0.098	CURB	RIGHT	
0.041	0.101	CURB	LEFT	
0.100	0.100	INTERSECTION	RIGHT	
0.102	0.102	INTERSECTION	LEFT	
0.103	0.223	CURB	RIGHT	
0.109	0.119	CURB	LEFT	
0.120	0.120	INTERSECTION	LEFT	ROUTE 911 (FORT HILL PARKING AREA)
0.134	0.165	CURB	LEFT	
0.158	0.158	CULVERT	N/A	
0.209	0.209	DROP INLET	RIGHT	
0.214	0.214	DROP INLET	RIGHT	
0.220	0.252	CURB	LEFT	
0.252	0.252	DROP INLET	LEFT	
0.255	0.341	CURB	RIGHT	
0.268	0.268	DROP INLET	RIGHT	
0.320	0.320	DROP INLET	RIGHT	
0.321	0.321	DROP INLET	RIGHT	
0.338	0.397	PAVED DITCH	LEFT	
0.399	0.488	CURB	LEFT	
0.415	0.415	CULVERT	N/A	
0.485	0.593	CURB	RIGHT	
0.499	0.499	DROP INLET	RIGHT	
0.521	0.521	DROP INLET	LEFT	
0.523	0.523	DROP INLET	RIGHT	
0.536	0.536	DROP INLET	RIGHT	

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : CONFEDERATE AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.582	0.582	INTERSECTION	LEFT	ROUTE 912 (TENNESSEE CIRCLE)
0.616	0.616	INTERSECTION	LEFT	ROUTE 912 (TENNESSEE CIRCLE)
0.630	0.663	CURB	LEFT	
0.665	0.688	CURB	RIGHT	
0.696	0.715	CURB	RIGHT	
0.706	0.706	CULVERT	N/A	
0.709	0.752	CURB	LEFT	
0.759	0.808	CURB	RIGHT	
0.763	0.763	DROP INLET	RIGHT	
0.808	0.814	CURB	LEFT	
0.819	0.874	CURB	LEFT	
0.876	0.896	PAVED DITCH	LEFT	
0.899	0.989	CURB	RIGHT	
0.986	1.085	CURB	LEFT	
1.088	1.157	CURB	RIGHT	
1.111	1.111	DROP INLET	RIGHT	
1.169	1.236	CURB	LEFT	
1.229	1.229	DROP INLET	LEFT	
1.247	1.405	CURB	RIGHT	
1.263	1.263	DROP INLET	RIGHT	
1.267	1.311	CURB	LEFT	
1.269	1.310	PULLOUT	LEFT	
1.393	1.393	DROP INLET	RIGHT	
1.419	1.533	CURB	LEFT	
1.524	1.554	PAVED DITCH	LEFT	
1.555	1.599	CURB	LEFT	

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : CONFEDERATE AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.601	1.758	CURB	RIGHT	
1.620	1.620	DROP INLET	RIGHT	
1.704	1.704	DROP INLET	RIGHT	
1.716	1.716	INTERSECTION	LEFT	ROUTE 016 (OLD GRAVEYARD ROAD)
1.784	1.836	CURB	LEFT	
1.791	1.838	PULLOUT	LEFT	
1.803	1.833	CURB	RIGHT	
1.830	1.830	DROP INLET	RIGHT	
1.854	1.960	CURB	LEFT	
1.905	1.905	DROP INLET	LEFT	
1.962	2.050	CURB	RIGHT	
1.977	1.977	DROP INLET	RIGHT	
2.013	2.013	DROP INLET	RIGHT	
2.125	2.314	CURB	RIGHT	
2.126	2.260	PAVED DITCH	LEFT	
2.263	2.266	CURB	LEFT	
2.271	2.271	DROP INLET	LEFT	
2.288	2.306	PAVED DITCH	LEFT	
2.315	2.407	GUARDRAIL	RIGHT	
2.318	2.403	BRIDGE	N/A	
2.319	2.409	GUARDRAIL	LEFT	
2.409	2.440	CURB	RIGHT	
2.412	2.412	INTERSECTION	LEFT	
2.417	2.566	PAVED DITCH	LEFT	
2.463	2.671	CURB	RIGHT	
2.488	2.488	DROP INLET	RIGHT	
2.490	2.490	DROP INLET	LEFT	

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : CONFEDERATE AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.490	2.490	DROP INLET	RIGHT	
2.493	2.493	DROP INLET	LEFT	
2.560	2.560	DROP INLET	RIGHT	
2.581	2.632	PAVED DITCH	LEFT	
2.632	2.650	CURB	LEFT	
2.659	2.659	INTERSECTION	LEFT	
2.672	2.825	PAVED DITCH	RIGHT	
2.678	2.735	CURB	LEFT	
2.814	2.862	CURB	LEFT	
2.828	2.851	PULLOUT	RIGHT	
2.916	2.916	DROP INLET	RIGHT	
3.030	3.030	DROP INLET	LEFT	
3.043	3.071	CURB	RIGHT	
3.092	3.092	CULVERT	N/A	
3.184	3.223	CURB	RIGHT	
3.185	3.219	PULLOUT	RIGHT	
3.266	3.266	INTERSECTION	RIGHT	ROUTE 914 (PEMBERTON AVE)
3.296	3.296	INTERSECTION	RIGHT	
3.322	3.322	DROP INLET	RIGHT	
3.501	3.529	CURB	RIGHT	
3.570	3.643	CURB	LEFT	
3.612	3.656	PULLOUT	RIGHT	
3.617	3.653	CURB	RIGHT	
3.680	3.717	PAVED DITCH	RIGHT	
3.725	3.855	CURB	LEFT	
3.727	3.742	CURB	RIGHT	
3.729	3.742	PULLOUT	RIGHT	

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : CONFEDERATE AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
3.865	3.920	CURB	LEFT	
3.877	3.889	PAVED DITCH	RIGHT	
3.889	3.889	INTERSECTION	RIGHT	ROUTE 019 (SOUTH LOOP)
3.895	3.920	CURB	RIGHT	
3.919	3.919	INTERSECTION	RIGHT	
3.922	3.993	CURB	LEFT	
3.923	3.923	INTERSECTION	LEFT	
3.925	4.024	CURB	RIGHT	
3.997	3.997	INTERSECTION	LEFT	ROUTE 013 (VISITOR CENTER ACCESS RD)
4.000	4.030	CURB	LEFT	
4.020	4.020			ROUTE ENDS AT RTE 013 AT STOP SIGN

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014 : PEMBERTON AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 020
0.011	0.017	CURB	RIGHT	
0.012	0.055	CURB	LEFT	
0.016	0.016	DROP INLET	RIGHT	
0.078	0.091	CURB	LEFT	
0.080	0.105	CURB	RIGHT	
0.165	0.165	INTERSECTION	RIGHT	ROUTE 405 (RANGER STATION SERVICE RD)
0.168	0.171	CURB	RIGHT	
0.175	0.175	INTERSECTION	RIGHT	ROUTE 100 (RANGER STATION ACCESS RD)
0.195	0.261	PAVED DITCH	RIGHT	
0.261	0.263	CURB	RIGHT	
0.263	0.268	CURB	LEFT	
0.267	0.267	DROP INLET	RIGHT	
0.270	0.270			ROUTE ENDS AT RTE 012 ON LEFT

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015 : SHIRLEY CIRCLE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 020, WEST
0.009	0.009	INTERSECTION	RIGHT	
0.011	0.131	CURB	LEFT	
0.017	0.017	DROP INLET	RIGHT	
0.030	0.092	CURB	RIGHT	
0.039	0.039	INTERSECTION	RIGHT	
0.054	0.054	DROP INLET	LEFT	
0.096	0.112	PULLOUT	RIGHT	
0.160	0.160			ROUTE ENDS AT RTE 902 ON LEFT

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0016 : OLD GRAVEYARD ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 020
0.012	0.020	CURB	RIGHT	
0.120	0.144	CURB	RIGHT	
0.262	0.262	CULVERT	N/A	
0.284	0.294	CURB	RIGHT	
0.330	0.330			ROUTE ENDS AT RTE 012

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0017 : GRANT AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 020
0.008	0.107	CURB	RIGHT	
0.029	0.029	INTERSECTION	LEFT	ROUTE 018 (SHERMANS CIRCLE)
0.077	0.077	DROP INLET	RIGHT	
0.088	0.173	CURB	LEFT	
0.161	0.240	CURB	RIGHT	
0.189	0.189	DROP INLET	RIGHT	
0.228	0.502	CURB	LEFT	
0.254	0.254	DROP INLET	LEFT	
0.352	0.352	DROP INLET	LEFT	
0.504	0.504	DROP INLET	LEFT	
0.513	0.653	CURB	RIGHT	
0.582	0.582	DROP INLET	RIGHT	
0.591	0.602	CURB	LEFT	
0.598	0.606	PULLOUT	LEFT	
0.609	0.617	CURB	LEFT	
0.613	0.622	PULLOUT	LEFT	
0.639	0.639	INTERSECTION	LEFT	
0.650	0.650			ROUTE ENDS AT RTE 906 ON RIGHT

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0018 : SHERMAN'S CIRCLE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 017
0.017	0.128	CURB	RIGHT	
0.068	0.068	DROP INLET	RIGHT	
0.096	0.096	DROP INLET	RIGHT	
0.120	0.120			ROUTE ENDS AT RTE 907 ON LEFT
0.133	0.133	INTERSECTION	RIGHT	

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0019 : SOUTH LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 012
0.007	0.023	CURB	LEFT	
0.025	0.025	INTERSECTION	LEFT	
0.035	0.055	CURB	LEFT	
0.038	0.085	PAVED DITCH	RIGHT	
0.055	0.141	PAVED DITCH	LEFT	
0.104	0.178	PAVED DITCH	RIGHT	
0.143	0.183	CURB	LEFT	
0.194	0.223	GUARDRAIL	LEFT	
0.196	0.214	BRIDGE	N/A	
0.199	0.227	GUARDRAIL	RIGHT	
0.217	0.251	CURB	RIGHT	
0.225	0.225	INTERSECTION	LEFT	
0.229	0.237	CURB	LEFT	
0.239	0.239	INTERSECTION	LEFT	
0.254	0.331	PAVED DITCH	RIGHT	
0.303	0.335	CURB	LEFT	
0.367	0.410	PAVED DITCH	RIGHT	
0.413	0.413	CULVERT	N/A	
0.416	0.466	CURB	LEFT	
0.421	0.464	PAVED DITCH	RIGHT	
0.465	0.499	CURB	RIGHT	
0.476	0.476	INTERSECTION	RIGHT	ROUTE 916 (TEXAS PKG AREA)
0.481	0.494	CURB	RIGHT	
0.497	0.497	INTERSECTION	RIGHT	
0.511	0.511	DROP INLET	LEFT	
0.518	0.518	CULVERT	N/A	

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0019 : SOUTH LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.520	0.520	DROP INLET	LEFT	
0.530	0.739	CURB	RIGHT	
0.533	1.093	CURB	LEFT	
0.601	0.601	LOW WATER CROSSING	RIGHT	
0.657	0.657	DROP INLET	LEFT	
0.685	0.685	DROP INLET	LEFT	
0.728	0.728	DROP INLET	RIGHT	
0.729	0.729	DROP INLET	RIGHT	
0.752	0.780	CURB	RIGHT	
0.783	0.783	DROP INLET	LEFT	
0.795	1.118	CURB	RIGHT	
0.854	0.854	DROP INLET	RIGHT	
0.855	0.855	DROP INLET	RIGHT	
0.917	0.917	DROP INLET	LEFT	
1.039	1.039	DROP INLET	LEFT	
1.080	1.080	DROP INLET	RIGHT	
1.154	1.195	CURB	LEFT	
1.165	1.194	PULLOUT	LEFT	
1.268	1.283	CURB	LEFT	
1.310	1.647	CURB	LEFT	
1.345	1.390	PAVED DITCH	RIGHT	
1.392	1.392	DROP INLET	LEFT	
1.392	1.566	CURB	RIGHT	
1.432	1.432	DROP INLET	LEFT	
1.452	1.459	BRIDGE	N/A	
1.454	1.454	DROP INLET	LEFT	
1.456	1.462	GUARDRAIL	RIGHT	

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0019 : SOUTH LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.457	1.463	GUARDRAIL	LEFT	
1.546	1.554	BRIDGE	N/A	
1.547	1.556	GUARDRAIL	RIGHT	
1.548	1.548	DROP INLET	LEFT	
1.550	1.556	GUARDRAIL	LEFT	
1.570	1.641	PAVED DITCH	RIGHT	
1.636	1.649	PULLOUT	LEFT	
1.665	1.710	PAVED DITCH	LEFT	
1.672	1.692	CURB	RIGHT	
1.708	1.725	CURB	RIGHT	
1.710	1.839	CURB	LEFT	
1.763	1.820	CURB	RIGHT	
1.802	1.802	DROP INLET	RIGHT	
1.841	1.865	CURB	RIGHT	
1.842	1.999	PAVED DITCH	LEFT	
1.889	1.899	CURB	RIGHT	
1.925	1.925	CULVERT	N/A	
1.977	2.029	CURB	RIGHT	
2.000	2.028	CURB	LEFT	
2.012	2.020	BRIDGE	N/A	
2.013	2.013	DROP INLET	RIGHT	
2.015	2.021	GUARDRAIL	LEFT	
2.016	2.021	GUARDRAIL	RIGHT	
2.056	2.129	CURB	RIGHT	
2.078	2.103	CURB	LEFT	
2.085	2.094	BRIDGE	N/A	
2.088	2.098	GUARDRAIL	RIGHT	

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0019 : SOUTH LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.088	2.099	GUARDRAIL	LEFT	
2.098	2.098	DROP INLET	RIGHT	
2.124	2.153	PAVED DITCH	LEFT	
2.156	2.167	CURB	RIGHT	
2.181	2.329	CURB	LEFT	
2.184	2.184	DROP INLET	LEFT	
2.189	2.266	CURB	RIGHT	
2.252	2.252	DROP INLET	LEFT	
2.252	2.252	DROP INLET	RIGHT	
2.291	2.291	CULVERT	N/A	
2.296	2.296	DROP INLET	LEFT	
2.312	2.383	CURB	RIGHT	
2.363	2.383	PULLOUT	RIGHT	
2.374	2.374	CULVERT	N/A	
2.410	2.424	PAVED DITCH	LEFT	
2.428	2.501	CURB	LEFT	
2.442	2.504	CURB	RIGHT	
2.551	2.551	INTERSECTION	LEFT	ROUTE 019 (SOUTH LOOP)
2.555	2.560	CURB	LEFT	
2.560	2.560			ROUTE ENDS AT RTE 012

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0020 : UNION AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT THE ARCH
0.004	0.004	DROP INLET	RIGHT	
0.005	0.046	CURB	LEFT	
0.007	0.135	CURB	RIGHT	
0.034	0.044	PULLOUT	LEFT	
0.114	0.114	INTERSECTION	LEFT	ROUTE 402 (MAINTENANCE ACCESS RD)
0.130	0.143	CURB	LEFT	
0.140	0.140	DROP INLET	LEFT	
0.142	0.155	GUARDRAIL	RIGHT	
0.143	0.153	BRIDGE	N/A	
0.144	0.155	GUARDRAIL	LEFT	
0.155	0.504	CURB	LEFT	
0.203	0.203	DROP INLET	LEFT	
0.255	0.255	DROP INLET	LEFT	
0.315	0.333	CURB	RIGHT	
0.316	0.332	TURNOUT	RIGHT	
0.365	0.365	DROP INLET	LEFT	
0.515	0.588	CURB	RIGHT	
0.524	0.563	PULLOUT	RIGHT	
0.663	0.663	CULVERT	N/A	
0.664	0.672	PAVED DITCH	LEFT	
0.678	0.699	PULLOUT	RIGHT	
0.699	1.004	CURB	LEFT	
0.749	0.749	DROP INLET	LEFT	
0.790	0.801	CURB	RIGHT	
0.792	0.815	PULLOUT	RIGHT	
0.808	0.808	DROP INLET	LEFT	

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0020 : UNION AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.842	0.862	PULLOUT	RIGHT	
0.876	0.876	DROP INLET	LEFT	
0.917	0.939	PULLOUT	RIGHT	
1.001	1.005	CURB	RIGHT	
1.004	1.004	INTERSECTION	LEFT	ROUTE 014 (PEMBERTON AVE)
1.005	1.007	PAVED DITCH	RIGHT	
1.007	1.054	CURB	RIGHT	
1.010	1.022	PAVED DITCH	LEFT	
1.022	1.022	DROP INLET	LEFT	
1.048	1.048	DROP INLET	RIGHT	
1.053	1.063	BRIDGE	N/A	
1.054	1.064	GUARDRAIL	LEFT	
1.055	1.064	GUARDRAIL	RIGHT	
1.063	1.125	CURB	RIGHT	
1.066	1.066	DROP INLET	RIGHT	
1.123	1.123	DROP INLET	LEFT	
1.125	1.211	CURB	LEFT	
1.210	1.233	CURB	RIGHT	
1.236	1.365	CURB	RIGHT	
1.267	1.267	DROP INLET	RIGHT	
1.276	1.304	PULLOUT	LEFT	
1.349	1.349	DROP INLET	RIGHT	
1.360	1.603	CURB	LEFT	
1.398	1.398	DROP INLET	LEFT	
1.561	1.586	CURB	RIGHT	
1.562	1.562	DROP INLET	RIGHT	
1.619	1.790	CURB	RIGHT	

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0020 : UNION AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.631	1.648	CURB	LEFT	
1.649	1.649	INTERSECTION	LEFT	ROUTE 015 (SHIRLEY CIRCLE)
1.653	1.653	DROP INLET	LEFT	
1.653	1.668	CURB	LEFT	
1.732	1.732	INTERSECTION	LEFT	
1.774	1.774	DROP INLET	RIGHT	
1.789	1.809	CURB	LEFT	
1.830	1.912	CURB	LEFT	
1.917	2.004	CURB	RIGHT	
1.918	1.918	DROP INLET	RIGHT	
1.937	1.937	CULVERT	N/A	
1.987	2.064	CURB	LEFT	
1.990	1.990	CULVERT	N/A	
2.027	2.027	CULVERT	N/A	
2.055	2.055	DROP INLET	LEFT	
2.064	2.106	BRIDGE	N/A	
2.065	2.113	GUARDRAIL	LEFT	
2.067	2.114	GUARDRAIL	RIGHT	
2.116	2.187	CURB	RIGHT	
2.119	2.119	DROP INLET	RIGHT	
2.173	2.264	CURB	LEFT	
2.196	2.196	DROP INLET	LEFT	
2.226	2.226	DROP INLET	LEFT	
2.260	2.541	CURB	RIGHT	
2.393	2.415	PULLOUT	RIGHT	
2.449	2.484	PULLOUT	RIGHT	
2.531	2.596	CURB	LEFT	

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0020 : UNION AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.532	2.532	DROP INLET	RIGHT	
2.595	2.661	CURB	RIGHT	
2.615	2.615	DROP INLET	RIGHT	
2.659	2.688	CURB	LEFT	
2.684	2.755	CURB	RIGHT	
2.700	2.700	CULVERT	N/A	
2.745	2.745	DROP INLET	RIGHT	
2.755	2.755	DROP INLET	RIGHT	
2.761	2.804	CURB	LEFT	
2.805	2.808	PAVED DITCH	LEFT	
2.807	2.807	CULVERT	N/A	
2.807	2.835	CURB	LEFT	
2.834	2.948	CURB	RIGHT	
2.835	2.876	PAVED DITCH	LEFT	
2.875	2.875	CULVERT	N/A	
2.896	2.896	DROP INLET	RIGHT	
2.899	2.899	DROP INLET	RIGHT	
2.904	2.904	DROP INLET	RIGHT	
2.943	3.005	CURB	LEFT	
2.981	3.042	CURB	RIGHT	
3.036	3.154	CURB	LEFT	
3.151	3.349	CURB	RIGHT	
3.261	3.261	DROP INLET	RIGHT	
3.263	3.278	CURB	LEFT	
3.263	3.279	PULLOUT	LEFT	
3.349	3.349	INTERSECTION	LEFT	ROUTE 016 (OLD GRAVEYARD RD)
3.358	3.468	CURB	LEFT	

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0020 : UNION AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
3.366	3.366	DROP INLET	LEFT	
3.462	3.569	CURB	RIGHT	
3.560	3.560	DROP INLET	RIGHT	
3.571	3.571	INTERSECTION	RIGHT	ROUTE 017 (GRANT AVE)
3.573	3.573	DROP INLET	RIGHT	
3.573	3.578	CURB	RIGHT	
3.583	3.691	CURB	LEFT	
3.675	3.675	DROP INLET	LEFT	
3.690	3.880	CURB	RIGHT	
3.822	3.822	DROP INLET	RIGHT	
3.851	3.851	DROP INLET	RIGHT	
3.869	3.914	CURB	LEFT	
3.915	4.218	CURB	RIGHT	
4.050	4.050	DROP INLET	RIGHT	
4.051	4.051	DROP INLET	RIGHT	
4.111	4.111	CULVERT	N/A	
4.137	4.137	DROP INLET	RIGHT	
4.211	4.262	CURB	LEFT	
4.248	4.394	CURB	RIGHT	
4.318	4.348	CURB	LEFT	
4.362	4.362	DROP INLET	RIGHT	
4.388	4.388	DROP INLET	RIGHT	
4.391	4.405	BRIDGE	N/A	
4.395	4.409	GUARDRAIL	LEFT	
4.397	4.408	GUARDRAIL	RIGHT	
4.408	4.415	CURB	RIGHT	
4.409	4.409	DROP INLET	RIGHT	

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0020 : UNION AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
4.415	4.415	INTERSECTION	RIGHT	
4.516	4.540	CURB	LEFT	
4.536	4.536	DROP INLET	LEFT	
4.541	4.548	BRIDGE	N/A	
4.542	4.552	GUARDRAIL	LEFT	
4.543	4.552	GUARDRAIL	RIGHT	
4.548	4.561	PAVED DITCH	RIGHT	
4.553	4.553	DROP INLET	LEFT	
4.554	5.026	CURB	LEFT	
4.697	4.697	DROP INLET	LEFT	
4.781	4.821	CURB	RIGHT	
4.794	4.794	DROP INLET	LEFT	
4.795	4.795	DROP INLET	LEFT	
4.956	4.956	DROP INLET	LEFT	
5.003	5.012	PAVED DITCH	RIGHT	
5.027	5.108	PAVED DITCH	LEFT	
5.034	5.153	CURB	RIGHT	
5.148	5.245	CURB	LEFT	
5.172	5.172	DROP INLET	LEFT	
5.242	5.444	CURB	RIGHT	
5.311	5.311	DROP INLET	RIGHT	
5.411	5.411	DROP INLET	RIGHT	
5.418	5.438	TURNOUT	RIGHT	
5.443	5.531	CURB	LEFT	
5.470	5.486	PULLOUT	RIGHT	
5.528	5.528	DROP INLET	LEFT	
5.528	5.620	CURB	RIGHT	

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0020 : UNION AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
5.675	5.691	PAVED DITCH	RIGHT	
5.693	5.699	PAVED DITCH	LEFT	
5.693	5.702	CURB	RIGHT	
5.700	5.700			ROUTE ENDS AT RTE 010

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0200 : SOUTH CEMETERY ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 010
0.011	0.011	INTERSECTION	LEFT	
0.012	0.210	PAVED DITCH	RIGHT	
0.014	0.014	INTERSECTION	LEFT	
0.053	0.091	CURB	LEFT	
0.192	0.227	CURB	LEFT	
0.211	0.211	DROP INLET	RIGHT	
0.212	0.212	CULVERT	N/A	
0.257	0.257	INTERSECTION	RIGHT	
0.277	0.277	INTERSECTION	RIGHT	
0.337	0.360	CURB	LEFT	
0.373	0.581	PAVED DITCH	LEFT	
0.447	0.481	CURB	RIGHT	
0.461	0.479	PULLOUT	RIGHT	
0.581	0.625	CURB	LEFT	
0.624	0.687	CURB	RIGHT	
0.710	0.710			ROUTE ENDS AT END OF LOOP
0.717	0.717	INTERSECTION	LEFT	

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0400 : VISITORS CENTRE SERVICE RD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT MAINTENANCE ACCESS
0.007	0.024	PAVED DITCH	LEFT	
0.008	0.011	PAVED DITCH	RIGHT	
0.043	0.135	CURB	LEFT	
0.050	0.205	CURB	RIGHT	
0.065	0.065	DROP INLET	LEFT	
0.104	0.104	DROP INLET	RIGHT	
0.150	0.150	INTERSECTION	RIGHT	
0.162	0.162	DROP INLET	LEFT	
0.200	0.200			ROUTE ENDS AT RTE 12
0.207	0.207	INTERSECTION	LEFT	
0.207	0.207	INTERSECTION	RIGHT	

VICK: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0402 : MAINTENANCE ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 020
0.009	0.029	PAVED DITCH	LEFT	
0.056	0.056	CULVERT	N/A	
0.126	0.126	CULVERT	N/A	
0.130	0.130			ROUTE ENDS AT INTERSECTION
0.130	0.130	INTERSECTION	LEFT	
0.137	0.137	INTERSECTION	RIGHT	

APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
5600	Numeric Code for Vicksburg National Military Park
AADT	Annually Adjusted Daily Traffic. Average daily traffic adjusted for the term period comprising 80% of annual visitation
CRS	Condition Rating Sheets. (Section 5)
Drainage Condition Rating	A visual rating (Good, Poor) of the drainage condition. (see Section 10)
Excellent	Excellent rating with an index value of 95 or greater
Fair	Fair rating with an index value between 61 and 84
Func. Class	Functional Classification (see Route ID, Section 4)
Good	Good rating with an index value between 85 and 94
IRI	International Roughness Index
Lane Width	Distance from road centerline to fogline, or from centerline to edge-of-pavement when no fogline exists
MRR	Manually Rated Route
NA	Not Applicable
NC	Not Collected
Paved Width	Distance from edge-of-pavement to edge-of-pavement
PCR	Pavement Condition Rating (see Section 10)
Poor	Poor Rating with an index value of 60 or less

RCI	Roughness Condition Index
SADT	Seasonal Annual Daily Traffic. Average daily traffic for the total defined "season"
SCR	Surface Condition Rating (see Section 10)
Shoulder Condition Rating	Visual rating (Good, Poor) of the condition of shoulder. (see Section 10)
Shoulder Width	Distance from fogline to hinge point, or if no fogline, from edge-of-pavement to hinge point
VICK	Alpha Code for Vicksburg National Military Park

APPENDIX B: DESCRIPTION OF RATING SYSTEM

A numerical roadway rating system is used to describe the overall condition of the paved roadways and paved parking areas. In this system, a numerical rating between 1 and 100 is ascribed to each 0.02 miles of road. This numerical rating is called a Pavement Condition Rating (PCR). A "perfect" road, newly constructed with no surface distresses and a smooth surface, would be assigned a PCR rating of 100. Based on the type, severity, and extent of surface distresses points are deducted from 100 to arrive at the final PCR.

Data is collected on the following distresses and conditions:

- **Alligator Cracking** - a series of interconnecting cracks resembling alligator skin or chicken wire, which can ocurr anywhere in the lane.

- **Longitudinal Cracking** - cracks which are parallel to the pavement centerline or asphalt lay-down direction.

- **Transverse Cracking** - cracks perpendicular to the pavement centerline.

- **Pothole (patch)** - a bowl-shaped hole in the pavement surface. May be patched or not.

- **Rutting** - surface depressions in the wheel paths.

Roughness is collected as International Roughness Index (IRI) and is used in the PCR formula. Roughness is measured in inches of vertical displacement of the vehicle per mile traveled.

A Distress Rating Index value is calculated for each of the individual distresses at the 0.02 mile, or every 105.6 feet.

Rating Index Formulas

Alligator Cracking Index = 100 - [40 * (%low/70 + %medium/30 + %high/10)]
Longitudinal Cracking Index = 100 - [40 * (%low/350 + %medium/200 + %high/75)]
Transverse Cracking Index = 100 – [(20 * (low/15.1 + medium/7.5)) + (40 * (high/1.9))]
Patching Index = 100 - [40 * (%patching / 80)]
Rutting Index: 100-[40*((low/160) + (med/80) + (high/40))]
Roughness Condition Index: (RCI) = $32 * [5 * e^{(-0.0041 * \text{average IRI})}]$

These 0.02 Distress Rating Index values are then averaged over one mile sections for the mile-by-mile Disitress Rating Indexes, Surface Condition Rating (SCR) and Pavement Condition Rating (PCR).

Surface Condition Rating (SCR) = 100 – [(100 – AC_INDEX) + (100 – LC_INDEX) + (100 – TC_INDEX) + (100 – PATCH_INDEX) + (100 – RUT_INDEX)]

Pavement Condition Rating (PCR) = (SCR * 0.60) + (RCI * 0.40)

NOTE: Collection of roughness data is dependant on the data collection vehicle traveling at a minimum speed of 12 mph. In the event that a route cannot be safely traveled at this minimum speed, and results in no roughness data, the SCR only will be calculated.

Parking Lot and Manually Rated Road Condition Rating

Surface Condition Distresses- Chip Seal:

Raveling – loss of surface rock chips revealing previous surface
Bleeding – asphalt or tar is bleeding through to the surface where surface looks slick with asphalt
Rutting
Potholes/Patching

Ratings - Chip Seal:

Excellent – None of the surface affected by the above (recently constructed)
Good – Less than 10% of surface affected by the above
Fair – Between 10% and 40% of surface affected by the above
Poor – More than 40% of surface affected by the above

Surface Condition - Asphalt:

Cracking of any type
Rutting
Potholes/Patching

Ratings - Asphalt:

Excellent – None of the surface affected by the above (recently constructed)
Good – Less than 10% of surface affected by the above
Fair – Between 10% and 40% of surface affected by the above
Poor – More than 40% of surface affected by the above

Index Values of Visual Ratings on Parking Lots and Manually Rated Roads

Excellent	97
Good	90
Fair	73
Poor	45

Drainage Condition Rating Definitions

Good: Minimal overall drainage problems. If funding were available for pavement maintenance, 25% or less is estimated to correct drainage deficiencies.

Poor: Problems exist that jeopardizes the integrity of the road in this section. If funding were available for pavement maintenance, 50% to 100% is estimated to correct drainage deficiencies.

Drainage Condition Rating Criteria

The following are examples of basic criteria to help the rater to identify the different drainage ratings. While in the field, many other flaws will be discovered, but these criteria should give a feel for where the flaws would apply in the ratings.

Good Drainage
Most water clears the road prism adequately with little concern of base saturation.

- X Pavement has minor deficiencies that interrupt water flow.
- X Shoulders are mostly adequate as they relate to surrounding terrain. Shoulder design generally coincides with the drainage design.
- X Curbs have deficiencies, but still function without erosion.
- X Down drains are placed properly, but show signs of some deterioration.
- X Culverts are adequate in numbers and size however, minor deficiencies are evident.
- X Ditches are not paved, but solid and have enough area to maintain and carry required volume of water.

Poor Drainage
This section has areas of inadequate drainage ability that is causing base saturation that could cause a road failure.

- X Pavement grade is irregular and holds dangerous amounts of water (hydroplaning is a concern), or shows massive alligator cracking.
- X Shoulder design induces ponding that encroaches on the pavement (drivers try to avoid ponds).
- X Portions of curbs are missing, allowing water to escape causing erosion.
- X Drop inlets, due to various reasons, are only able to drain 50% or less efficiently.
- X Down drains show signs of water exiting in areas by the down drain causing erosion.
- X Culverts are functionally deficient including size, installation, location, or grade giving water opportunity to saturate the road base.
- X Ditches allow water opportunity to saturate the road base through various reasons such as low places in ditch where design has not allowed for water to drain, little or no room in the road prism for a needed ditch, or water is disappearing within the ditch.

Shoulder Condition Rating Definitions

Good: The shoulder is generally in good functional condition. If curbs are present, they are functional.

Poor: There is no shoulder because erosion has removed it. If curbs are present, they need to be replaced.

Shoulder Rating Criteria

The following are examples of basic criteria to help the rater to identify the different shoulder ratings. While in the field, many other flaws will be discovered, but these criteria should give a feel for where the flaws would apply in the ratings.

Good Shoulders

- X If shoulder is unpaved drop-offs are less than 1", but grading is required.
- X If shoulder is paved rut depth is less than 1/2", sealed cracks are present, and grading is required.
- X If curbs are present they are functional.

Poor Shoulder

- X If shoulder is unpaved drop-offs are greater than 4" and erosion has removed the shoulder.
- X If shoulder is paved rut depth is greater than 1". Open cracks are greater than 1/4" deep, and erosion has removed the shoulder.
- X If curbs are present they need replacement.
- X If curbs are present they need repairs, and there is erosion behind the curb.

APPENDIX C: DIGITAL IMAGE INFORMATION

All images collected in Cycle 3 are digital images. These images provide the best resolution for identifying sign inventories and pavement evaluations. The images can be viewed with an interactive software program called **Visi-Data**. Each park will have a copy of the Visi-Data program installed in the park for park personnel to access and use.

Only Cycle 3 data can be queried and reviewed using the Visi-Data software program. This program is a multimedia data presentation and analysis tool that can be accessed either at the individual park, park region or at NPS headquarters. The data is organized in a hierarchical manner and presented in tabular and graphical formats. The user is able to perform queries and drill down through the data to find the particular information they are trying to query. Associated digital right-of-way images from the either the LAN, USB port, individual DVD, or from the Visi-web application, can be presented along with the GPS locations.

APPENDIX D: METADATA

ARAN ROUTE GPS DATA

Background information of route spatial data.

GPS Records: GPS data for NPS routes is stored in the MS Access database for the park. The coordinates of the road traces are stored in the '**PMS_20**' table in the '**GPS_LAT**' and '**GPS_LON'** fields.

Data Collection Device:

Vehicle Information:	Ford Van
Type of GPS Unit:	NovAtel MiLLennium, 12 channel, dual frequency L1/L2, DGPS ready receiver w/MiLLennium 502 GPS antenna and OmniSTAR System 3000 LR
Inertial System:	Applanix POS LV

Accuracy: Expected ground accuracy is 1 meter *

*The above accuracy assumes good GPS mission planning resulting in maximum GPS satellite observation and ideal environmental conditions. Due to less than ideal satellite and environmental conditions, some routes may lack the expected ground accuracy.

Geographic Datum: WGS 1984

Post Collection GPS Correction: Due to unanticipated GPS collection inaccuracies, some route locations have been digitized using DOQQ's and other data sources.

FHWA – NPS Road Inventory Program
Cycle 3 Metadata for the Park Database

The purpose of these sheets is to provide users of the Road Inventory Program's data with data accuracies and tolerances to help users define ways in which the RIP data can and cannot be used. For further information on specifics of data collection equipment, data collection procedures, equipment calibrations, or quality control/quality assurance procedures, please contact Jim Kennedy, Project Manager, Data Quality Assurance, at 720-963-3560 or jim.kennedy@fhwa.dot.gov.

All Road Inventory Program data undergoes quality control and quality assurance testing. This document represents the known data accuracies and tolerances for the data collection equipment, data collection procedures, and data processing procedures currently in use. Many additional tests conducted on the park databases during the quality assurance phase to ensure data integrity are not listed as a part of this document. Before it is delivered, a park database undergoes a large set of table design consistency, field data format consistency, data completeness, uniqueness of key fields, data reasonableness, acceptable data range, within-field data consistency, between-field data consistency, and between-table data consistency tests. Additional data sampling checks are conducted to ensure proper data upload from raw files into the park database and to quality check the pavement crack analysis. Further information is detailed in the FHWA – NPS RIP Quality Assurance Manual, available upon request.

This description of metadata includes only the known accuracies with which a data field matches its expected value. The tables that follow this page show each database field's:

- Field – field name
- Format – data type and number of characters of field
- Expected Value – meaning of value assigned to field
- Source – when in process field value obtained
- Validation – how field value obtained
- Expected Accuracy – accuracy with which contents of field match Expected Value

Verifying and continually improving the accuracy of Road Inventory Program data is an ongoing goal of the Federal Highway Administration and the National Park Service. Field testing and post-collection analysis of ARAN (Automatic Road ANalyzer) -collected data will continue in Cycle 4. Data quality is expected to improve as the FHWA – NPS Road Inventory Program continues to operate, due to the fact that future data collection cycles will consist in large part of data updates. Also, technological improvements are expected to render the data increasingly consistent with actual roadway conditions as data collection cycles progress.

Specific Caveats

- Three canned reports are titled "Features in Good Condition", "Features in Fair Condition," and "Features in Poor Condition." These titles could be misleading. In Cycle 3, condition assessments have been conducted on **signs only**. Condition assessments have not been conducted on non-sign features, such as culverts, guardrails, pullouts, etc. Although the database and canned reports might report a default value of "good" for un-assessed features, these condition values are not valid for import into FMSS.
- Database records that show a concrete surface type sometimes include index values that seem to show a perfect roadway (e.g., a Pavement Condition Rating (PCR) of 100). The Road Inventory Program does not actually conduct condition assessments of concrete surfaces. The perfect values are just default values assigned to unassessed sections of pavement and do not represent an assessment of the roadway surface's quality.
- On the USB drive, in the Database folder, parks are provided with intersection lists and exceptions lists. These documents should be treated as raw files and are **not accurate**. Refer to the final database for accurately post-processed intersection data.
- Most roadway data is collected in the primary direction lane of a roadway. To save data storage

space and to reduce data analysis efforts, the assumption was made that the paved surface condition of a route's primary lane adequately represents the surface condition of the full roadway. Therefore, in the database, opposite-direction records in the PMS_Visidata table do not include assessed values for roadway surface distresses. Values such as 0, N/A, -1, or a repeat of the primary-direction assessed value indicate that no assessment was performed. The PMS_20 and PMS_Mile tables simply exclude all opposite routes.

- Most roadway features are collected relative to the primary direction lane of a roadway, using the primary-direction video. Signs are the only features collected using the opposite-direction video.

Key to Notes in Tables

(1): Note that only one value fits in field, so even if this value varies throughout the route, only one value is recorded here.
(2): Note that some MP values listed here are estimates recorded during the Route ID process for use by the data collection crew (e.g. "FROM ROUTE 0010 AT MILEPOST 30.3"). They are estimates only and are not expected to match the more accurate milepost values included elsewhere in the database in the BEG_MP, END_MP, and MP fields.
(3): Mileage is measured by the ARAN (Automatic Road ANalyzer) data collection vehicle out to the 0.001 decimal place. The DMI (distance measuring instrument) is very accurate, with extremely slight variations in measurement due to air temperature, tire inflation, curves, hills, and equipment calibration.
(4): Features are measured differently depending on whether they are visible in the forward-facing video of the roadway, but every feature milepost measurement depends on the baseline measurement of the data collection vehicle's mileage. The ARAN (Automatic Road ANalyzer) data collection vehicle's mileage is measured by the DMI (distance measuring instrument) out to the 0.001 decimal place. The DMI is very accurate, with extremely slight variations in measurement due to air temperature, tire inflation, curves, hills, and equipment calibration. If a feature will not be visible in the forward-facing video, its milepost is determined by the data collectors' key press tagging the milepost when the ARAN passes the feature. Key presses are entered into the ARAN software when the vehicle travels typically between 15 and 45 miles/hour, so a delay of a single second as the vehicle passes a feature would result in an inaccuracy of 0.004 miles (22 feet) to 0.012 miles (66 feet). If a feature is visible in the video, its milepost is determined during post-processing using a video measurement software called Surveyor. Features along the side of a roadway that are measured using the Surveyor software might not be located very accurately. Surveyor is known to be most accurate when measuring quantities near the center of the video frame, as opposed to in the edges of the video image.
(5): Only signs are evaluated for condition. No other features' conditions are assessed, so "N/A" was originally intended to be the default value for unassessed features. However, some non-sign features do have condition ratings in the database. These are not accurate, because no assessment was ever done on non-sign features.
(6): Condition assessments are not conducted on concrete (CO) surface types. Perfect values for concrete road sections are default values and do not represent a condition assessment of the concrete surfaces.
(7): Roadway cracking presence, type, severity, and extent are determined by filming the roadway in the primary lane continuously with two overlapping analog cameras of 640 x 480 resolution. The images from both cameras are stitched together in real time to create a continuous strip image of the roadway pavement in the primary lane. Cracks 3 mm or greater in width are visible in this video. A semi-automatic process running the WiseCrax software with additional input by human operators provides the cracking quantities recorded in these database fields. Quality checks have determined that a consistent 80% or better of the visible cracks are recorded.

Access Database Metadata

Master Table Metadata:

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
RIP_CYCLE	X	3, for data collection cycle 3	Route ID Meeting	FHWA Determination	100%
STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested. (1)
PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	Untested
PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	Untested
RTE_NO	XXXXXX	Route number	Route ID Meeting	Park Input/FHWA Classification	Untested
RTE_NAME	(Text)	Route name	Route ID Meeting	Park Input	Untested. 50 characters fit in field
FUNCT_CLASS	X	Route functional classification	Route ID Meeting	Park Input/FHWA Classification	Untested
DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input/FHWA Determination	Untested
BEG_MP_EST	999.999 (miles)	Estimated starting MP	Route ID Meeting	Park Input/FHWA Determination	Estimated before data collected
END_MP_EST	999.999 (miles)	Estimated ending MP	Route ID Meeting	Park Input/FHWA Determination	Estimated before data collected
RTE_LENGTH	999.999 (miles)	Collected route length	ARAN Data Collection	Automatic Output	100%
FROM_DESC	(Text)	Beginning terminus of route	Route ID Meeting	Park Input/FHWA Determination	Estimated before data collected. (2)
TO_DESC	(Text)	Ending terminus of route	Route ID Meeting	Park Input/FHWA Determination	Estimated before data collected. (2)
NO_LANES	X	Number of lanes in route	ARAN Data Collection	Survey Crew Input	Untested. (1)
SURF_TYPE	XX	Surface type of route	ARAN Data Collection	Survey Crew Input	Untested. (1)
COMP_DIR	XX	Compass direction of route's primary lane (nearest cardinal direction)	Route ID Meeting	Park Input/FHWA Determination	Untested
COMMENTS	(Text)	Special information, if any	Contractor Post-processing	Contractor Input	Untested
FILENAME	XXXXXXXX	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
SECTION	XXXXXX	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%
FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	100%
DATE	DD/MM/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
BEG_MP	999.999 (miles)	Beginning MP collected	ARAN Data Collection	Automatic Output	100% (3)
END_MP	999.999 (miles)	Ending MP collected	ARAN Data Collection	Automatic Output	100% (3)

PMS_Feature Table Metadata:

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
RIP_CYCLE	X	3, for data collection cycle 3	Route ID Meeting	FHWA Determination	100%
STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested. (1)
PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	Untested
PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	Untested
RTE_NO	XXXXXX	Route number	Route ID Meeting	Park Input/FHWA Classification	Untested
FUNCT_CLASS	X	Route functional class	Route ID Meeting	Park Input/FHWA Classification	Untested
DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input/FHWA Determination	Untested
MP	999.999 (miles)	Feature location along route	ARAN Data Collection/Contractor Post-processing	Survey Crew Input/Video Processing	Untested (4)
EVENT	XXXX	Event category of feature	Contractor Post-processing	Video Processing	Untested
EVENT_CODE	XXXX	Event sub-category of feature	Contractor Post-processing	Video Processing	Untested
EVENT_DESC	(Text)	Description of feature/contents of sign	Contractor Post-processing	Video Processing	Untested
MUTCD	"N/A"	N/A. Intended to be sign MUTCD code	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
CONDITION	XXX	Sign condition (G-D, F-R, P-R, N/A)	Contractor Post-processing	Video Processing	Untested (5)
COMMENT	(Text)	Sign label, intersecting route, etc.	Contractor Post-processing	Database Processing	Untested
OFFSET	"N/A"	N/A. Intended to be offset from pavement edge	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
SIDE	XXX	Side of route; "N/A" if not on one side	Contractor Post-processing	Video Processing	Untested
STR_NUMBER	XXXXXXXXXX	FHWA bridge structure number	FHWA Post-processing	Database Processing	Untested
GPS_LAT	"N/A"	N/A. Intended to be latitude coordinate	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
GPS_LON	"N/A"	N/A. Intended to be longitude coordinate	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
GPS_ELEV	"N/A"	N/A. Intended to be elevation	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
GPS_MODE	"N/A"	N/A. Intended to be GPS mode	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to N/A
VIDEO	<*Park*>C03VID<#>	Removable USB video hard drive number	Contractor Post-processing	Database Processing	Untested
IMAGE	(Text)	Filename of .jpg image showing feature	Contractor Post-processing	Automatic Output	Untested
DATE	DD/MM/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
FILENAME	XXXXXXXX	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
SECTION	XXXXXX	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%
FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	100%
VISI_FROM	999999 (millimiles)	Raw MP of first video frame showing feature	Contractor Post-processing	Database Processing	Untested
VISI_TO	999999 (millimiles)	Raw MP of last video frame showing feature	Contractor Post-processing	Database Processing	Untested

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
IDKEY	(Text)	Unique record ID used by VisiData	Contractor Post-processing	Database Processing	Untested
MP_REF	(Text)	Range of mileage to play in VisiData	Contractor Post-processing	Database Processing	Untested

PMS_20, PMS_Mile & PMS_Visidata Tables Metadata:

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
RIP_CYCLE	X	3, for data collection cycle 3	Route ID Meeting	FHWA Determination	100%
STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested. (1)
PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	Untested
PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	Untested
RTE_NO	XXXXXX	Route number	Route ID Meeting	Park Input/FHWA Classification	Untested
FUNCT_CLASS	X	Route functional class	Route ID Meeting	Park Input/FHWA Classification	Untested
DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input/FHWA Determination	Untested
BEG_MP	999.999 (miles)	MP at start of road interval described by database record	Contractor Post-processing	Database Processing	100% (3)
END_MP	999.999 (miles)	MP at end of road interval described by database record	Contractor Post-processing	Database Processing	100% (3)
INT_LENGTH	999.9 (ft)	Length of road interval as aggregated for data table	Contractor Post-processing	Database Processing	100%
RTE_LENGTH	999.999 (miles)	Collected route length	ARAN Data Collection	Automatic Output	100%
NO_LANES	X	Number of lanes in route	ARAN Data Collection	Survey Crew Input	Untested. (1)
LANE_NO	X	Data collection lane	Contractor Post-processing	Database Processing	Untested
WX_LANE_WIDTH	99.999 (ft)	WiseCrax (crack detection software) analysis width	Contractor Post-processing	Automatic Output	Untested
LANE_WIDTH	99.999 (ft)	Width of lane	Contractor Post-processing	Video Processing	Untested
PAVE_WIDTH	99.999 (ft)	Full pavement width	Contractor Post-processing	Video Processing	Untested
SHLD_WIDTH_L	99.999 (ft)	Left shoulder width	Contractor Post-processing	Video Processing	Untested
SHLD_WIDTH_R	99.999 (ft)	Right shoulder width	Contractor Post-processing	Video Processing	Untested
SHLD_COND_L	XXXX	Left shoulder condition	ARAN Data Collection	Survey Crew Input	Untested
SHLD_COND_R	XXXX	Right shoulder condition	ARAN Data Collection	Survey Crew Input	Untested
DRAIN_COND_L	XXXX	Left drainage condition	ARAN Data Collection	Survey Crew Input	Untested
DRAIN_COND_R	XXXX	Right drainage condition	ARAN Data Collection	Survey Crew Input	Untested
SURF_TYPE	XX	Surface type of route	ARAN Data Collection	Survey Crew Input	Untested. (1)
PCR	999	Pavement Condition Rating	Contractor Post-processing	Database Processing	100% for calculation (6)
RCI	999	Roughness Condition Index; -1 if invalid IRI	Contractor Post-processing	Database Processing	100% for calculation

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
SCR	999	Surface Condition Rating	Contractor Post-processing	Database Processing	100% for calculation (6)
IRI_AVG	999.9 (inches/mile)	Average IRI	Contractor Post-processing	Database Processing	Untested
IRI_SD	999.9 (inches/mile)	IRI standard deviation	Contractor Post-processing	Database Processing	Untested
IRI_L	999.9 (inches/mile)	Left wheel path IRI	ARAN Data Collection	Automatic Output	Untested
IRI_R	999.9 (inches/mile)	Right wheel path IRI	ARAN Data Collection	Automatic Output	Untested
IRI_FLAG	0 or -1	-1 if invalid IRI data	Contractor Post-processing	Database Processing	Untested
RUT_INDEX	999	Rut index	Contractor Post-processing	Database Processing	100% for calculation (6)
RUT_AVG	99.99 (inches)	Average rut depth of both wheelpaths	Contractor Post-processing	Database Processing	Untested (6)
RUT_MAX	99.99 (inches)	Maximum rut depth of both wheelpaths	Contractor Post-processing	Database Processing	Untested (6)
RUT_SD	9.9	Rut depth standard deviation	Contractor Post-processing	Database Processing	Untested (6)
RUT_LOW	999 (%)	Percent of low severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (6)
RUT_MED	999 (%)	Percent of medium severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (6)
RUT_HI	999 (%)	Percent of high severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (6)
XFALL	999.9 (% slope)	Cross fall at start of road interval	ARAN Data Collection	Automatic Output	Precise but inaccurate. Not reported in Cycle 4
GRADE	999.9 (% slope)	Grade at start of road interval	ARAN Data Collection	Automatic Output	Precise but inaccurate. Not reported in Cycle 4
AC_INDEX	999	Alligator cracking index	Contractor Post-processing	Database Processing	100% for calculation (6)
AC_LOW	999.9999 (%)	Percent of WiseCrax measured lane area with low-severity alligator cracking	Contractor Post-processing	Automatic Output	(6) (7)
AC_MED	999.9999 (%)	Percent of WiseCrax measured lane area with medium-severity alligator cracking	Contractor Post-processing	Automatic Output	(6) (7)
AC_HI	999.9999 (%)	Percent of WiseCrax measured lane area with high-severity alligator cracking	Contractor Post-processing	Automatic Output	(6) (7)
LC_INDEX	999	Longitudinal cracking index	Contractor Post-processing	Database Processing	100% for calculation (6)
LC_LOW	999.99 (%)	Low-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Automatic Output	(6) (7)
LC_MED	999.99 (%)	Medium-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Automatic Output	(6) (7)
LC_HI	999.99 (%)	High-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Automatic Output	(6) (7)
TC_INDEX	999	Transverse cracking index	Contractor Post-processing	Database Processing	100% for calculation (6)
TC_LOW	999.99 (cracks)	Count of low-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Automatic Output	(6) (7)
TC_MED	999.99 (cracks)	Count of medium-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Automatic Output	(6) (7)
TC_HI	999.99 (cracks)	Count of high-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Automatic Output	(6) (7)
PATCH_INDEX	999	Patching index	Contractor Post-processing	Database Processing	100% for calculation (6)

FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
PATCHING	999.9999 (%)	Percent of WiseCrax measured lane area affected by patching	Contractor Post-processing	Manual Pavement Video Processing	Untested (6)
GPS_LAT	999.999999	Latitude coordinate	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
GPS_LON	-999.999999	Longitude coordinate	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
GPS_ELEV	99999.9	Elevation	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
GPS_MODE	XXX	GPS mode during collection	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
VIDEO	<*Park*>C03VID<#>	Removable USB video hard drive number	Contractor Post-processing	Database Processing	Untested
IMAGE	(Text)	Filename of .jpg image showing road interval	Contractor Post-processing	Automatic Output	Untested
SPEED	999 (miles/hour)	Average ARAN speed during data collection	ARAN Data Collection	Automatic Output	Untested
BRIDGE_FLAG	0 or 1	Flag indicating presence of bridge in interval	ARAN Data Collection	Survey Crew Input	Untested
CONSTR_FLAG	0 or 1	Flag indicating construction in interval	ARAN Data Collection	Survey Crew Input	Untested
LANEDEV_FLAG	0 or 1	Flag indicating lane deviation in interval	ARAN Data Collection	Survey Crew Input	Untested
DATE	DD/MM/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
NODISTRESS	0 OR 1	Flag indicating absence of pavement distress	Contractor Post-processing	Database Processing	100%
FILENAME	XXXXXXXX	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
SECTION	XXXXXX	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%
FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	100%
VISI_FROM	999999 (millimiles)	Raw MP of first video frame in section	Contractor Post-processing	Database Processing	Untested
VISI_TO	999999 (millimiles)	Raw MP of last video frame in section	Contractor Post-processing	Database Processing	Untested
IDKEY	(Text)	Unique record ID used by VisiData	Contractor Post-processing	Database Processing	Untested
MP_REF	(Text)	Range of mileage to play in VisiData	Contractor Post-processing	Database Processing	Untested

Cycle 3 Shapefile Metadata

Metadata is provided for all shapefiles used for the creation of RIP report documents. The metadata for each shapefile associated with the park can be found in Section 10 of the PDF report provided on your park CD.

All shapefiles have the following spatial characteristics:

Geographic_Coordinate_Units: Decimal degrees
Spheroid: WGS 1984

vick_mi

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: vick_mi
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Routes
Purpose: Road Inventory Program
Supplemental_Information:
Data created by The TSR Group from GPS coordinates provided in the PMS_20 table. The shapefile is processed to aggregate adjacent segments with the same PCR rating provided in the PMS_mile table.
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 2005
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -90.870972
East_Bounding_Coordinate: -90.831512
North_Bounding_Coordinate: 32.379587
South_Bounding_Coordinate: 32.332821
Keywords:
Theme:
Theme_Keyword_Thesaurus: VICK
Theme_Keyword: VICK

Access_Constraints: None
Use_Constraints: Redistribution meeds permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for routes
Lineage:
Source_Information:
Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: String
Point_and_Vector_Object_Count: 21

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Latitude_Resolution: 0.000000
Longitude_Resolution: 0.000000
Geographic_Coordinate_Units: Decimal degrees
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1927
Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: vick_mi
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: FNODE_
Attribute_Definition: Length of feature
Attribute_Definition_Source: ESRI
Attribute:
Attribute_Label: TNODE_
Attribute:
Attribute_Label: LPOLY_
Attribute_Definition: Route number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RPOLY_
Attribute_Definition: Collected route length
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: LENGTH
Attribute_Definition: Numeric PCR definition
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 0
Range_Domain_Maximum: 100
Attribute:
Attribute_Label: VICK_MI_
Attribute_Definition: Verbal PCR definition
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: POOR
Enumerated_Domain_Value_Definition: PCR value <= 60
Enumerated_Domain:

Enumerated_Domain_Value: FAIR
Enumerated_Domain_Value_Definition: PCR value 61-84
Enumerated_Domain:
Enumerated_Domain_Value: GOOD
Enumerated_Domain_Value_Definition: PCR value 85-94
Enumerated_Domain:
Enumerated_Domain_Value: EXCELLENT
Enumerated_Domain_Value_Definition: PCR value 95-100
Attribute:
Attribute_Label: VICK_MI_ID
Attribute_Definition: Indicates whether feature has been edited for graphic purposes.
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: Edit has been made to feature for graphic purposes
Enumerated_Domain:
Enumerated_Domain_Value: 0
Enumerated_Domain_Value_Definition: No edit made to feature.
Attribute:
Attribute_Label: ID
Attribute:
Attribute_Label: RTE_NO
Attribute:
Attribute_Label: BMP
Attribute:
Attribute_Label: EMP
Attribute:
Attribute_Label: PCR
Attribute:
Attribute_Label: PCR_RATE
Attribute:
Attribute_Label: RT_LENGTH
Attribute:
Attribute_Label: PCRMI
Attribute:
Attribute_Label: PCR_RATEMI
Attribute:
Attribute_Label: PCR_RATEAV
Attribute:
Attribute_Label: PCRAV
Attribute:
Attribute_Label: TSR_EDIT

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:

Transfer_Size: 0.016

Metadata_Reference_Information:
Metadata_Date: 20051024
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Mon Oct 24 11:27:09 2005

vick_mi_pt

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: vick_mi_pt
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Mile Points
Purpose: Road Inventory Program
Supplemental_Information:
Data created by The TSR Group from GPS coordinates provided in the PMS_20 table. All attributes found in the PMS_20 table are found on the miles points.
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 2005
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: Not Available
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -90.870399
East_Bounding_Coordinate: -90.838005
North_Bounding_Coordinate: 32.378654
South_Bounding_Coordinate: 32.337322
Keywords:
Theme:
Theme_Keyword_Thesaurus: VICK
Theme_Keyword: VICK
Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD Sterling
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for mile points
Lineage:
Source_Information:
Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: Entity point
Point_and_Vector_Object_Count: 24

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Latitude_Resolution: 0.000000
Longitude_Resolution: 0.000000
Geographic_Coordinate_Units: Decimal degrees
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1927
Ellipsoid_Name: Clarke 1866
Semi-major_Axis: 6378206.400000

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: vick_mi_pt
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: RIP_CYCLE
Attribute_Definition: 3, for data collection cycle 3
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: STATE
Attribute_Definition: State where route is located
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: PARK_ALPHA
Attribute_Definition: Park alpha code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: PARK_NO
Attribute_Definition: Park numeric code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NO
Attribute_Definition: Route number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: FUNCT_CLAS
Attribute_Definition: Route functional class
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: DIRECTION
Attribute_Definition: Survey lane: PRI (primary) or OPP (opposite)
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: BEG_MP

Attribute_Definition: MP at end of road interval described by database record
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: END_MP
Attribute_Definition: MP at end of road interval described by database record
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: INT_LENGTH
Attribute_Definition: Length of road interval as aggregated from data table
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: RTE_LENGTH
Attribute_Definition: Collected route length
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: NO_LANES
Attribute_Definition: Number of lanes in route
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: LANE_NO
Attribute_Definition: Data collection lane
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: WX_LANE_WI
Attribute_Definition: WiseCrax (crack detection software) analysis width
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: LANE_WIDTH
Attribute_Definition: Width of lane
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: PAVE_WIDTH
Attribute_Definition: Full pavement width
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: SHLD_WIDTH
Attribute_Definition: Left shouler width
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: SHLD_WID_1
Attribute_Definition: Right shoulder width
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: SHLD_COND_
Attribute_Definition: Left shoulder condition
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: SHLD_COND1
Attribute_Definition: Right shoulder condition
Attribute_Definition_Source: ARAN Data Collection
Attribute:

Attribute_Label: DRAIN_COND
Attribute_Definition: Left drainage condition
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: DRAIN_CO_1
Attribute_Definition: Right drainage condition
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: PCR
Attribute_Definition: Pavement Condition Rating
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: RCI
Attribute_Definition: Roughness Condition Index; -1 if invalid IRI
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: SCR
Attribute_Definition: Surface Condition Rating
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: IRI_AVG
Attribute_Definition: Average IRI
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: IRI_SD
Attribute_Definition: IRI Standard Deviation
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: IRI_L
Attribute_Definition: Left wheel path IRI
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: IRI_R
Attribute_Definition: Rigth wheel path IRI
Attribute_Definition_Source: ARAN Data Collection

Attribute:
Attribute_Label: IRI_FLAG
Attribute_Definition: -1 if invalid IRI data
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: RUT_INDEX
Attribute_Definition: Rut index
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: RUT_AVG
Attribute_Definition: Average rut depth of both wheelpaths
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: RUT_MAX
Attribute_Definition: Maximum rut depth of both wheelpaths
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: RUT_SD
Attribute_Definition: Rut depth standard deviation
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: RUT_LOW
Attribute_Definition:
Percent of low severity ruts (on a 0-200% scale) in both wheelpaths
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: RUT_MED
Attribute_Definition:
Percent of medium severity ruts (on a 0-200% scale) in both wheelpaths
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: RUT_HI
Attribute_Definition:
Percent of high severity ruts (on a 0-200% scale) in both wheelpaths
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: XFALL
Attribute_Definition: Cross fall at start of road interval
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: GRADE
Attribute_Definition: Grade at start of road interval
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: AC_INDEX
Attribute_Definition: Alligator cracking index
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: AC_LOW
Attribute_Definition:
Percent of WiseCrax measured lane area with low-severity alligator cracking
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: AC_MED
Attribute_Definition:
Percent of WiseCrax measured lane area with medium-severity alligator cracking
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: AC_HI
Attribute_Definition:
Percent of WiseCrax measured lane area with high-severity alligator cracking
Attribute_Definition_Source: Contractor Post-processing

Attribute:
Attribute_Label: LC_INDEX
Attribute_Definition: Longitudinal cracking index
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: LC_LOW
Attribute_Definition:
Low-severity longitudinal cracking in lane as a percentage of road interval length
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: LC_MED
Attribute_Definition:
Medium-severity longitudinal cracking in lane as a percentage of road interval length
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: LC_HI
Attribute_Definition:
High-severity longitudinal cracking in lane as a percentage of road interval length
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: TC_INDEX
Attribute_Definition: Transverse cracking index
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: TC_LOW
Attribute_Definition:
Count of low-severity transverse cracks, where one crack unit equals the WiseCrax measured land width
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: TC_MED
Attribute_Definition:
Count of medium-severity transverse cracks, where one crack unit equals the WiseCrax measured land width
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: TC_HI
Attribute_Definition:
Count of high-severity transverse cracks, where one crack unit equals the WiseCrax measured land width
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: PATCH_INDE
Attribute_Definition: Patching index
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: PATCHING
Attribute_Definition: Percent of WiseCrax measured lane area affected by patching

Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: GPS_LAT
Attribute_Definition: Latitude coordinate
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: GPS_LON
Attribute_Definition: Longitude coordinate
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: GPS_ELEV
Attribute_Definition: Elevation
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: GPS_MODE
Attribute_Definition: GPS mode during collection
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: VIDEO
Attribute_Definition: Removable USB video hard drive number
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: IMAGE
Attribute_Definition: Filename of .jpg image showing road interval
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: SPEED
Attribute_Definition: Average ARAN speed during data collection
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: BRIDGE_FLA
Attribute_Definition: Flag indicating presence of bridge in interval
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: CONSTR_FLA
Attribute_Definition: Flag indicating construction in interval
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: LANEDEV_FL
Attribute_Definition: Flag indicating lane deviation in interval
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: DATE
Attribute_Definition: Data collection date
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: NODISTRESS
Attribute_Definition: Flag indicating absence of pavement distress
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: FILENAME

Attribute_Definition: Filename of raw data files
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: SECTION
Attribute_Definition: route section ID
Attribute_Definition_Source: Route ID Meeting / ARAN Data Collection
Attribute:
Attribute_Label: FKEY
Attribute_Definition: Unique record ID
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: VISI_FROM
Attribute_Definition: Raw MP of first video frame in section
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: VISI_TO
Attribute_Definition: Raw MP of last video frame in section
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: IDKEY
Attribute_Definition: Unique record ID used by VisiData
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: MP_REF
Attribute_Definition: Range of mileage to play in VisiData
Attribute_Definition_Source: Contractor Post-processing

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.030

Metadata_Reference_Information:
Metadata_Date: 20051024
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia

Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Mon Oct 24 11:26:46 2005

vick_mrp_03_map

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: vick_mrp_03_map
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Manually Rated Roads - Polygons
Purpose: Road Inventory Program
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 2/27/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -90.870820
East_Bounding_Coordinate: -90.843601
North_Bounding_Coordinate: 32.377354
South_Bounding_Coordinate: 32.343067
Keywords:
Theme:
Theme_Keyword_Thesaurus: VICK
Theme_Keyword: VICK
Access_Constraints: None
Use_Constraints: None
Point_of_Contact:
Contact_Information:

Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for manually rated roads.
Lineage:
Source_Information:
Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: G-polygon
Point_and_Vector_Object_Count: 6

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Latitude_Resolution: 0.000000
Longitude_Resolution: 0.000000
Geographic_Coordinate_Units: Decimal degrees
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1927
Ellipsoid_Name: Clarke 1866
Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: vick_mrp_03_map
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: PARK_ALPHA
Attribute_Definition: Park alpha code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NO
Attribute_Definition: Route Number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NAME
Attribute_Definition: Route Name
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: SECTION_
Attribute_Definition: Route section ID
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute:
Attribute_Label: CONDITION
Attribute_Definition: Condition rating
Attribute:
Attribute_Label: COMMENT
Attribute_Definition: Field comment
Attribute:
Attribute_Label: GPS_DATE
Attribute_Definition: Date of GPS collection
Attribute:
Attribute_Label: DATAFILE
Attribute:
Attribute_Label: SQ_FT
Attribute_Definition: Area of manually rated road in squre feet

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.187

Metadata_Reference_Information:
Metadata_Date: 20051024
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Mon Oct 24 11:28:18 2005

vick_mrp_03

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: vick_mrp_03
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Manually Rated Roads - Polygons
Purpose: Road Inventory Program
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 2/27/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -90.870820
East_Bounding_Coordinate: -90.843479
North_Bounding_Coordinate: 32.377326
South_Bounding_Coordinate: 32.343067
Keywords:
Theme:
Theme_Keyword_Thesaurus: VICK
Theme_Keyword: VICK
Access_Constraints: None
Use_Constraints: None
Point_of_Contact:
Contact_Information:

Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for manually rated roads.
Lineage:
Source_Information:
Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: G-polygon
Point_and_Vector_Object_Count: 6

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Latitude_Resolution: 0.000000
Longitude_Resolution: 0.000000
Geographic_Coordinate_Units: Decimal degrees
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1927
Ellipsoid_Name: Clarke 1866
Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: vick_mrp_03
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: PARK_ALPHA
Attribute_Definition: Park alpha code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NO
Attribute_Definition: Route Number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NAME
Attribute_Definition: Route Name
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: SECTION_
Attribute_Definition: Route section ID
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute:
Attribute_Label: CONDITION
Attribute_Definition: Condition rating
Attribute:
Attribute_Label: COMMENT
Attribute_Definition: Field comment
Attribute:
Attribute_Label: GPS_DATE
Attribute_Definition: Date of GPS collection
Attribute:
Attribute_Label: DATAFILE
Attribute:
Attribute_Label: SQ_FT
Attribute_Definition: Area of manually rated road in squre feet

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.187

Metadata_Reference_Information:
Metadata_Date: 20051024
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Mon Oct 24 11:28:50 2005

vick_nonnps

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: vick_nonnps
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: non-NPS roads
Purpose: Road Inventory Program
Supplemental_Information:
Data created by The TSR Group from heads-up digitizing of roads representing non-NPS roads for graphic purposes
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 2005
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -90.935202
East_Bounding_Coordinate: -90.847859
North_Bounding_Coordinate: 32.343492
South_Bounding_Coordinate: 32.309266
Keywords:
Theme:
Theme_Keyword_Thesaurus: VICK
Theme_Keyword: VICK
Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for non-NPS roads
Lineage:
Source_Information:
Type_of_Source_Media: Heads-up digitized

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: String
Point_and_Vector_Object_Count: 4

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Latitude_Resolution: 0.000000
Longitude_Resolution: 0.000000
Geographic_Coordinate_Units: Decimal degrees
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1927
Ellipsoid_Name: Clarke 1866
Semi-major_Axis: 6378206.400000

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: vick_nonnps
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: Id
Attribute_Definition: Name of road if available
Attribute:
Attribute_Label: name

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.008

Metadata_Reference_Information:
Metadata_Date: 20051024
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia

Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

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vick_pkg_03_map

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: vick_pkg_03_map
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Copy of Parking Areas
Purpose: Road Inventory Program
Supplemental_Information:
This shapefile is a copy of the source parking shapefile. The features are edited as needed for graphic purposes.
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 2/27/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -90.933188
East_Bounding_Coordinate: -90.833086
North_Bounding_Coordinate: 32.377889
South_Bounding_Coordinate: 32.312235
Keywords:
Theme:
Theme_Keyword_Thesaurus: VICK
Theme_Keyword: VICK
Access_Constraints: None

Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for parking areas
Lineage:
Source_Information:
Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: G-polygon
Point_and_Vector_Object_Count: 26

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Latitude_Resolution: 0.000000
Longitude_Resolution: 0.000000
Geographic_Coordinate_Units: Decimal degrees
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1927
Ellipsoid_Name: Clarke 1866
Semi-major_Axis: 6378206.400000

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: vick_pkg_03_map
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: PARK_ALPHA
Attribute_Definition: Park alpha code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NO
Attribute_Definition: Route number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NAME
Attribute_Definition: Route name
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: FEATURE
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute_Domain_Values:
Attribute:
Attribute_Label: CONDITION
Attribute_Definition: Condition rating for route
Attribute:
Attribute_Label: PHOTOS
Attribute_Definition: Photo filename associated with feature
Attribute:
Attribute_Label: COMMENT
Attribute_Definition: Field comment
Attribute:
Attribute_Label: GPS_DATE
Attribute_Definition: Date of GPS collection

Attribute:
Attribute_Label: DATAFILE
Attribute:
Attribute_Label: SQ_FT
Attribute_Definition: Feature area in square feet

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.018

Metadata_Reference_Information:
Metadata_Date: 20051024
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

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vick_pkg_03

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: vick_pkg_03
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Parking Areas
Purpose: Road Inventory Program
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 2/27/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -90.933209
East_Bounding_Coordinate: -90.833108
North_Bounding_Coordinate: 32.377929
South_Bounding_Coordinate: 32.312204
Keywords:
Theme:
Theme_Keyword_Thesaurus: VICK
Theme_Keyword: VICK
Access_Constraints: None
Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:

Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for parking areas
Lineage:
Source_Information:
Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: G-polygon
Point_and_Vector_Object_Count: 26

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Latitude_Resolution: 0.000000
Longitude_Resolution: 0.000000
Geographic_Coordinate_Units: Decimal degrees
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1927
Ellipsoid_Name: Clarke 1866
Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: vick_pkg_03
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: PARK_ALPHA
Attribute_Definition: Park alpha code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NO
Attribute_Definition: Route number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NAME
Attribute_Definition: Route name
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: FEATURE
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute_Domain_Values:
Attribute:
Attribute_Label: CONDITION
Attribute_Definition: Condition rating for route
Attribute:
Attribute_Label: PHOTOS
Attribute_Definition: Photo filename associated with feature
Attribute:
Attribute_Label: COMMENT
Attribute_Definition: Field comment
Attribute:
Attribute_Label: GPS_DATE
Attribute_Definition: Date of GPS collection
Attribute:
Attribute_Label: DATAFILE
Attribute:
Attribute_Label: SQ_FT

Attribute_Definition: Feature area in square feet

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.018

Metadata_Reference_Information:
Metadata_Date: 20051024
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

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vick_seg

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: vick_seg
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Routes
Purpose: Road Inventory Program
Supplemental_Information:
Data created by The TSR Group from GPS coordinates provided in the PMS_20 table. The shapefile is processed to aggregate adjacent segments with the same PCR rating.
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 2005
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -90.870972
East_Bounding_Coordinate: -90.831512
North_Bounding_Coordinate: 32.379395
South_Bounding_Coordinate: 32.332821
Keywords:
Theme:
Theme_Keyword_Thesaurus: VICK
Theme_Keyword: VICK

Access_Constraints: None
Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Dan VanGilder
Contact_Organization: EFLHD
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Native_Data_Set_Environment:
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.3.0.800

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report: Good
Completeness_Report: Complete for routes
Lineage:
Source_Information:
Type_of_Source_Media: GPS

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: String
Point_and_Vector_Object_Count: 108

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Latitude_Resolution: 0.000000
Longitude_Resolution: 0.000000
Geographic_Coordinate_Units: Decimal degrees
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1927
Ellipsoid_Name: Clarke 1866

Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: vick_seg
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: FNODE_
Attribute_Definition: Length of feature
Attribute_Definition_Source: ESRI
Attribute:
Attribute_Label: TNODE_
Attribute:
Attribute_Label: LPOLY_
Attribute_Definition: Route number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RPOLY_
Attribute_Definition: Collected route length
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: LENGTH
Attribute_Definition:
Numeric PCR definition. Average PCR value based on programatic averaging of adjacent segments.
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 0
Range_Domain_Maximum: 100
Attribute:
Attribute_Label: VICK_SEG_
Attribute_Definition: Verbal PCR definition based on value in PCRAV field
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: POOR

Enumerated_Domain_Value_Definition: PCR value <= 60
Enumerated_Domain:
Enumerated_Domain_Value: FAIR
Enumerated_Domain_Value_Definition: PCR value 61-84
Enumerated_Domain:
Enumerated_Domain_Value: GOOD
Enumerated_Domain_Value_Definition: PCR value 85-94
Enumerated_Domain:
Enumerated_Domain_Value: EXCELLENT
Enumerated_Domain_Value_Definition: PCR value 95-100

Attribute:
Attribute_Label: VICK_SEG_I
Attribute_Definition: Indicates whether feature has been edited for graphic purposes.
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: Edit has been made to feature for graphic purposes
Enumerated_Domain:
Enumerated_Domain_Value: 0
Enumerated_Domain_Value_Definition: No edit made to feature.

Attribute:
Attribute_Label: ID
Attribute:
Attribute_Label: RTE_NO
Attribute:
Attribute_Label: BMP
Attribute:
Attribute_Label: EMP
Attribute:
Attribute_Label: PCR
Attribute:
Attribute_Label: PCR_RATE
Attribute:
Attribute_Label: RT_LENGTH
Attribute:
Attribute_Label: PCRMI
Attribute:
Attribute_Label: PCR_RATEMI
Attribute:
Attribute_Label: PCR_RATEAV
Attribute:
Attribute_Label: PCRAV
Attribute:
Attribute_Label: TSR_EDIT

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:

Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.016

Metadata_Reference_Information:
Metadata_Date: 20051024
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

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