



**The Road Inventory  
of  
Fredericksburg & Spotsylvania  
National Military Park  
FRSP - 4370**



**national park service**

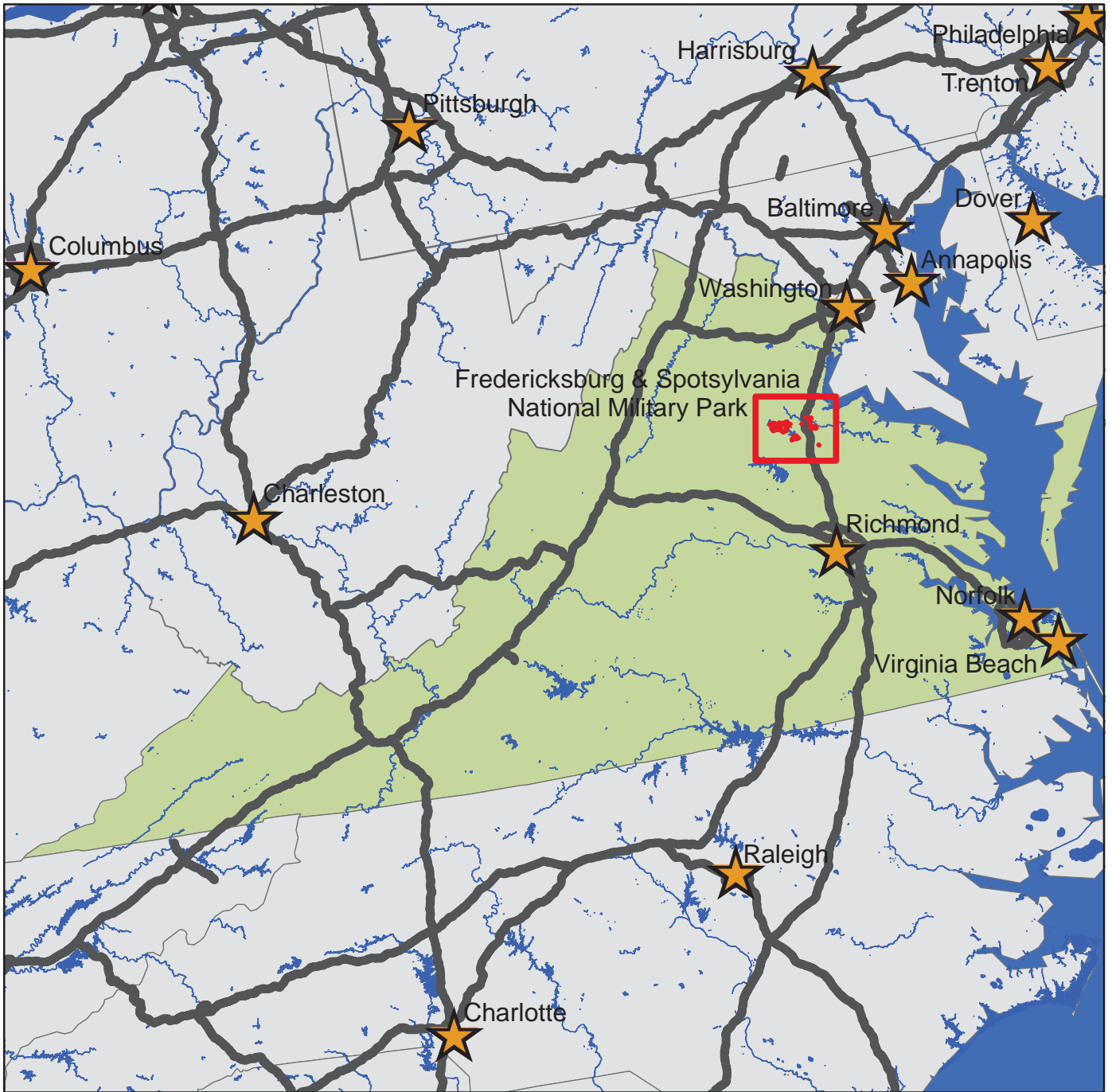


**Road Inventory Program**

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



# Fredericksburg & Spotsylvania National Military Park in Virginia





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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 21<sup>st</sup> 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.

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# Fredericksburg & Spotsylvania National Military Park Summaries

## Overall Park Mileage Summary

<b>PARK TOTAL SUMMARY ITEMS</b>	<b>TOTAL</b>	<b>DATE</b>
Paved ARAN Driven Route Miles	19.62	1/19/2004
Unpaved Estimated Route Miles	7.58	1/19/2004
Paved ARAN and Unpaved Route Miles	27.20	
Paved ARAN Driven Lane Miles	42.15	1/19/2004
Paved MRR Lane Miles	0.07	1/19/2004
Parking Lot Lane Miles	3.23	1/19/2004
Total Paved Lane Miles	45.45	

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)

## Fredericksburg & Spotsylvania 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	6.37	\$191,100
Good	5.19	\$570,900
Fair	6.70	\$3,752,000
Poor	4.49	\$6,914,600
<b>Totals</b>	<b>22.75</b>	<b>\$11,428,600</b>

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.

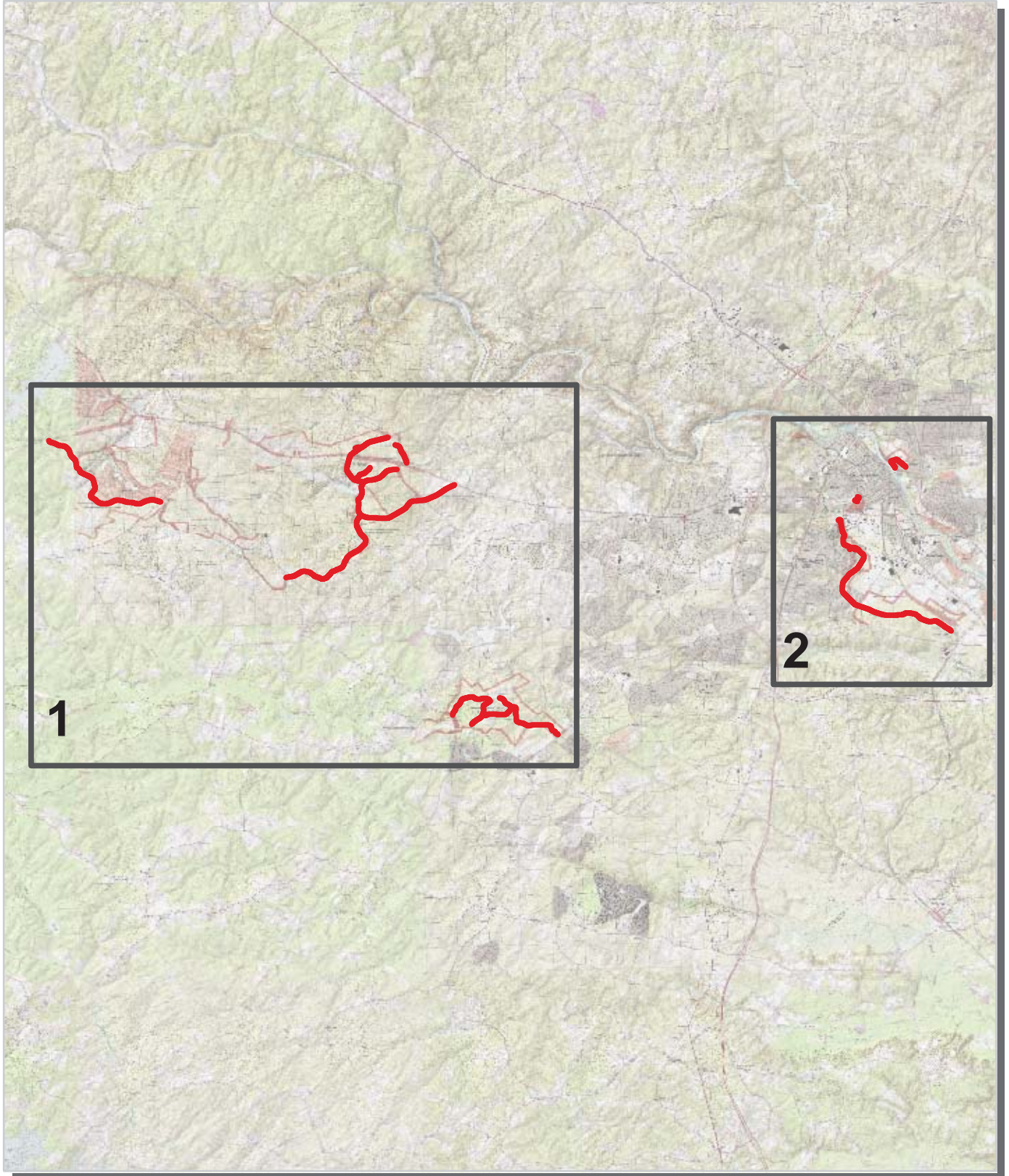
## Fredericksburg & Spotsylvania National Military Park Summaries

### 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	3.62	15.91%	6.49	28.53%	5.19	22.81%	6.37	28.00%	21.67
2	0.42	1.85%	0.17	0.75%					0.59
3									
4									
5	0.45	1.98%	0.04	0.18%					0.49
6									
7									
8									
<b>Totals</b>	<b>4.49</b>	<b>19.74%</b>	<b>6.70</b>	<b>29.45%</b>	<b>5.19</b>	<b>22.81%</b>	<b>6.37</b>	<b>28.00%</b>	<b>22.75</b>



# Fredericksburg & Spotsylvania National Military Park Route Location Key Map

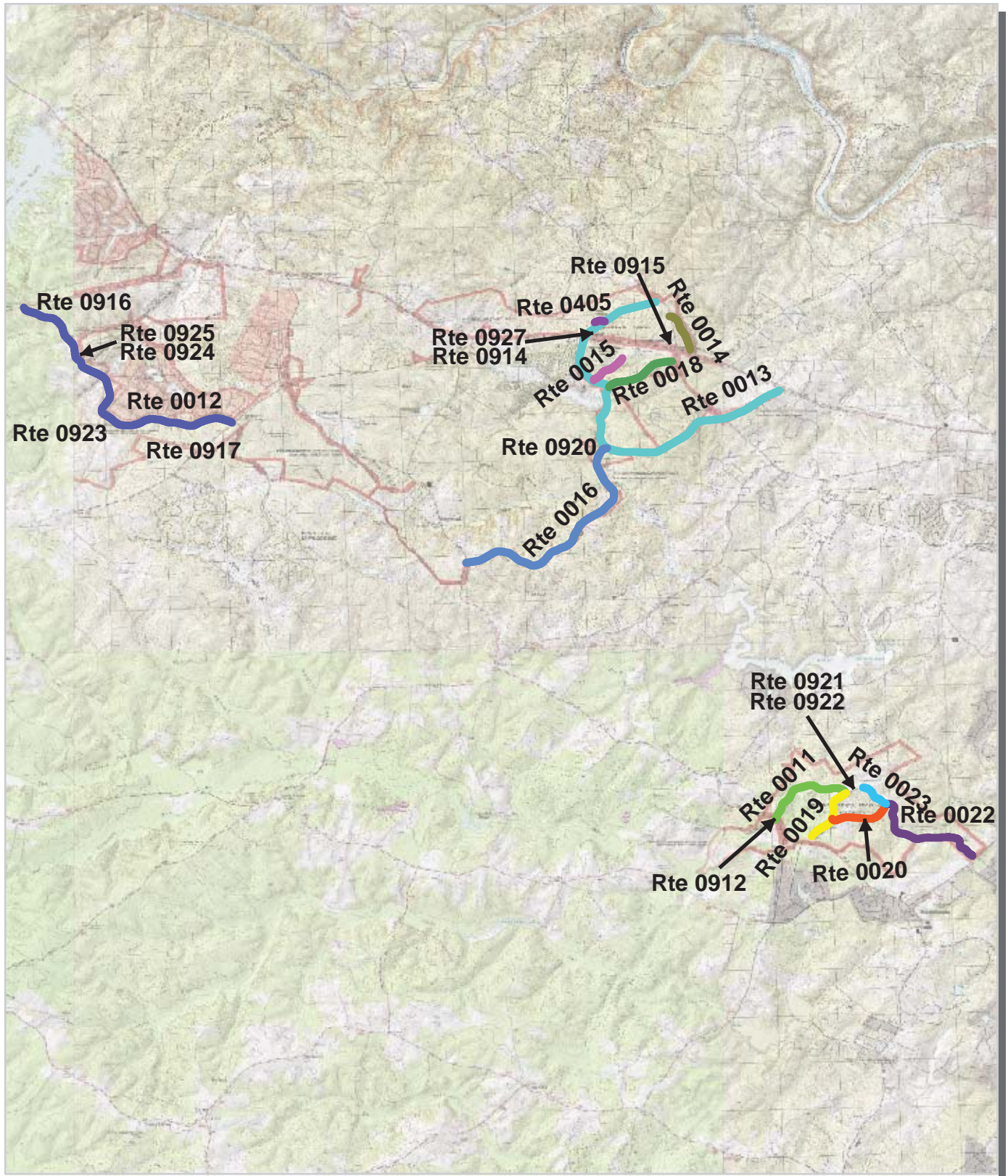


 Park Owned Routes





# Fredericksburg & Spotsylvania National Military Park Route Location Area Map 1

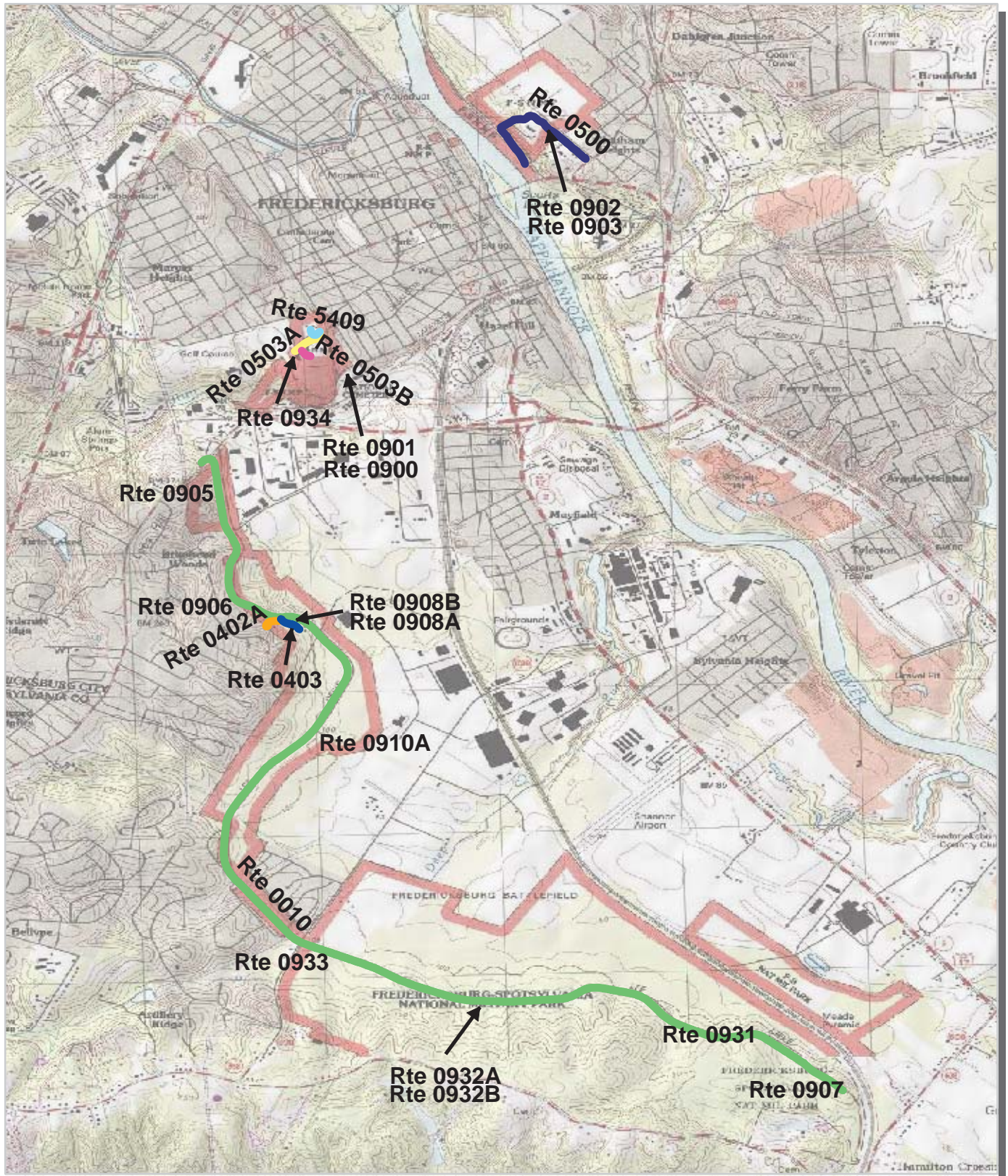


Unique colors used to differentiate routes





# Fredericksburg & Spotsylvania National Military Park Route Location Area Map 2

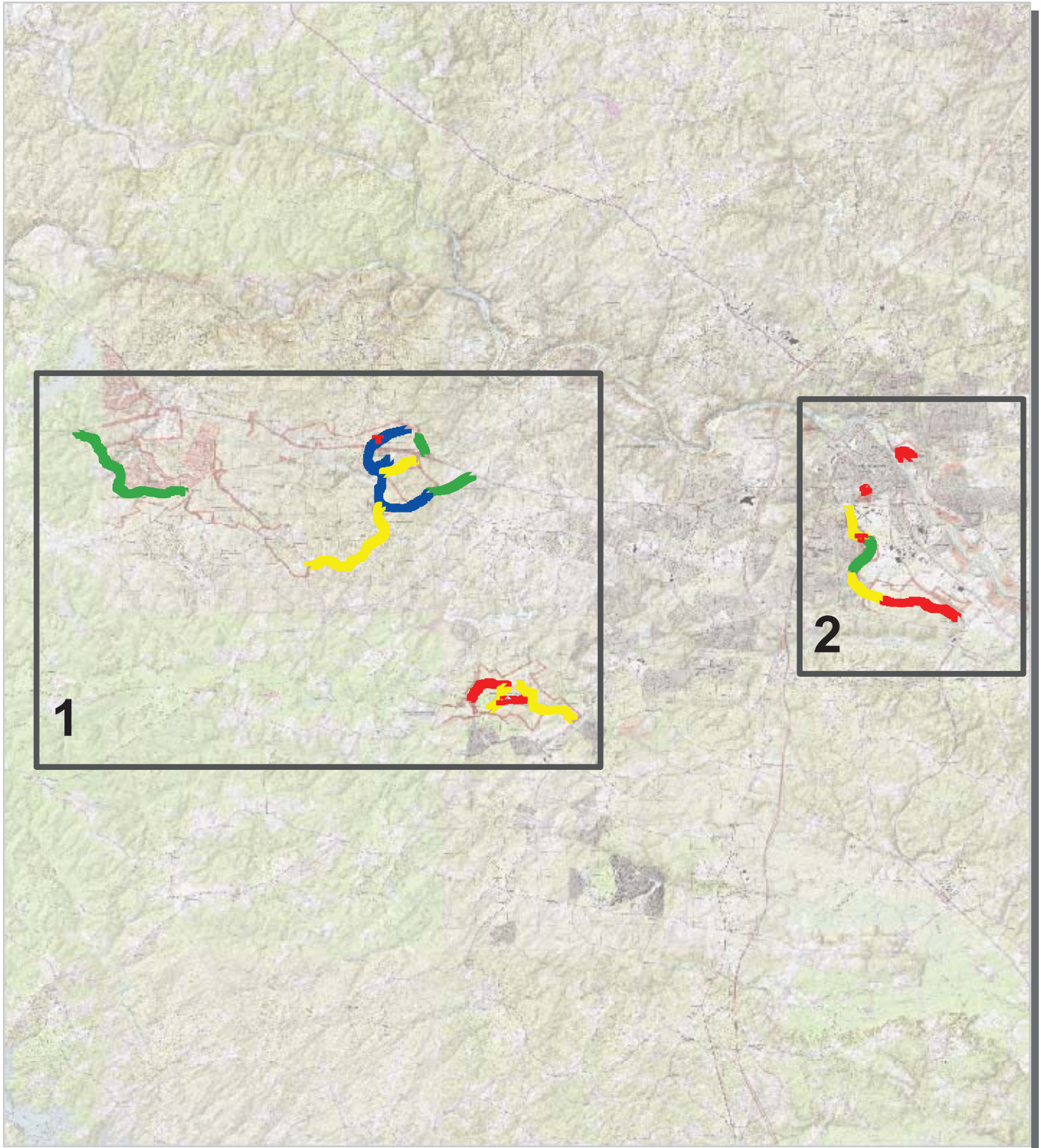






Unique colors used to differentiate routes





# Fredericksburg & Spotsylvania National Military Park Route Condition Key Map PCR - Mile by Mile



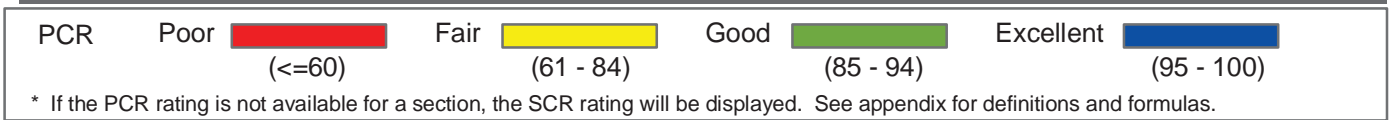
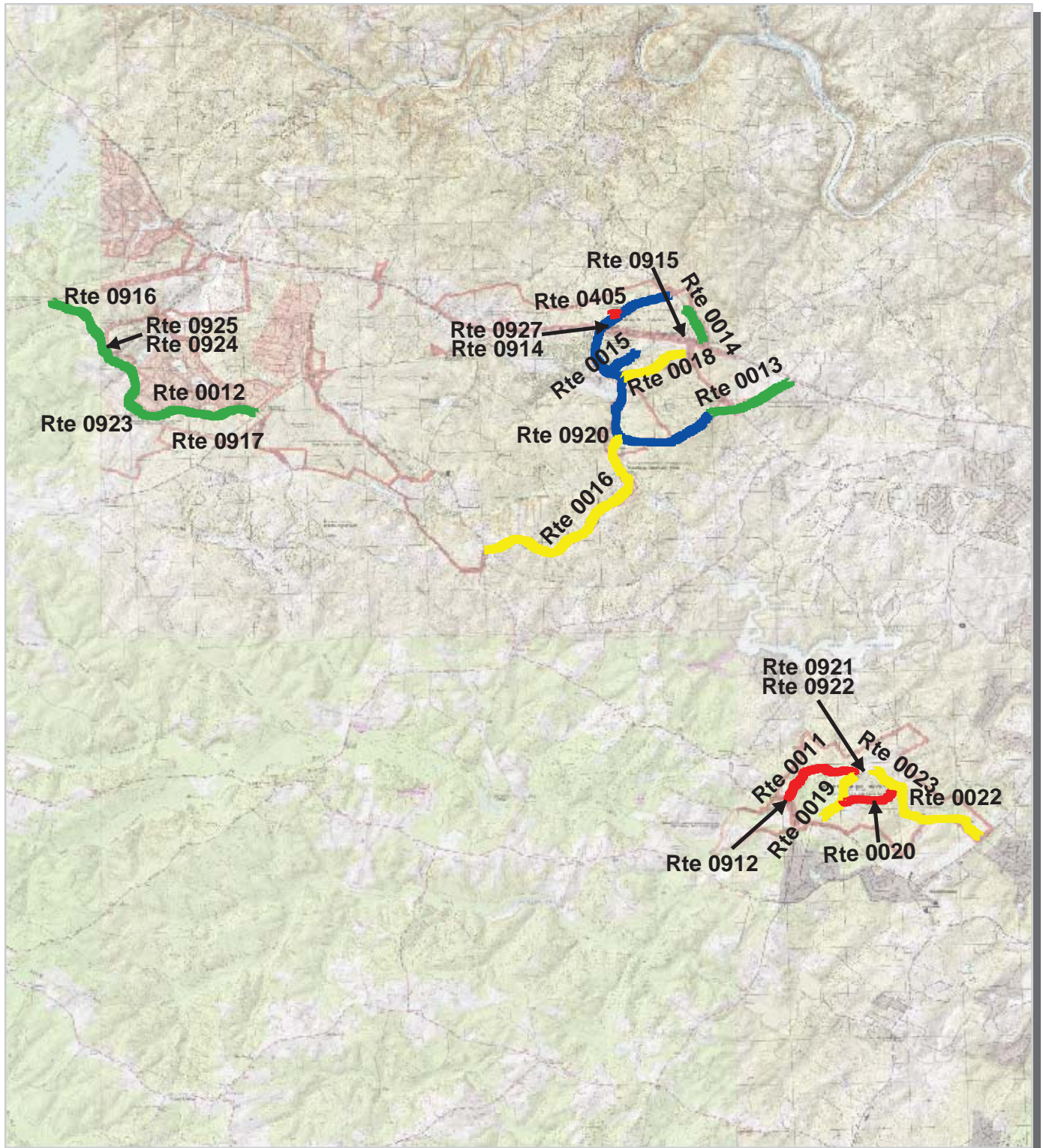
PCR	Poor		Fair		Good		Excellent	
		( $\leq 60$ )		(61 - 84)		(85 - 94)		(95 - 100)

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



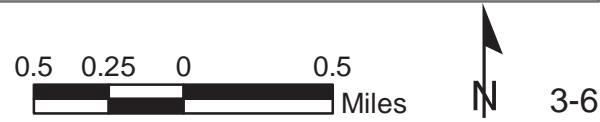
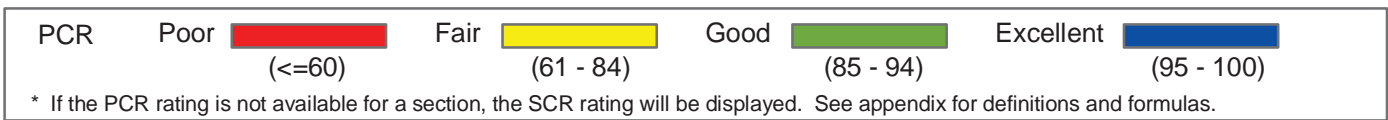
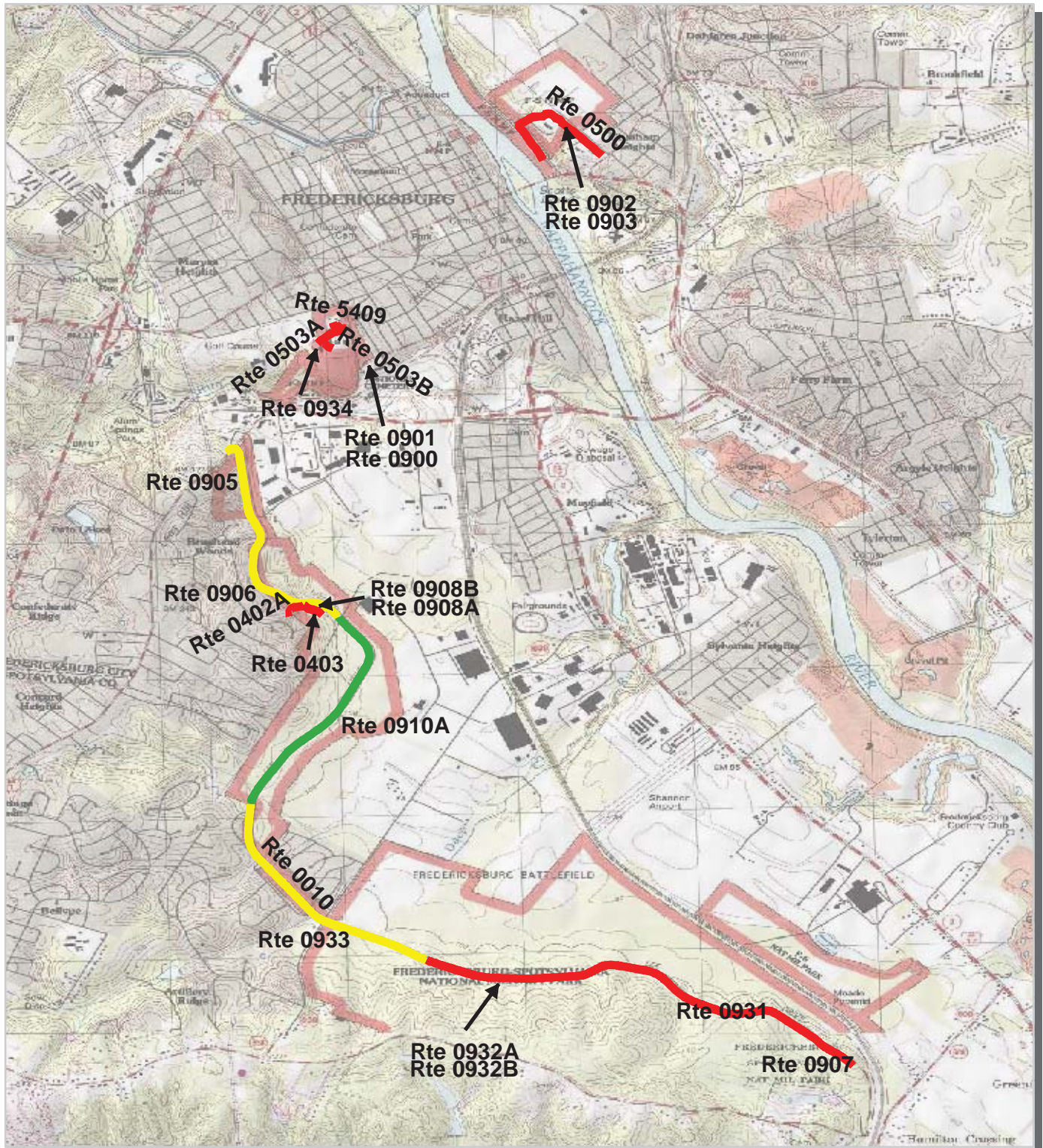


# Fredericksburg & Spotsylvania National Military Park Route Condition Area Map 1 PCR - Mile by Mile





# Fredericksburg & Spotsylvania National Military Park Route Condition Area Map 2 PCR - Mile by Mile



# 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 =	

## FRSP

### Fredericksburg & Spotsylvania National Military Park

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0010	24265	Lee Drive	From US Route 1	To End just past Route 0907	4.69	0.00	4.69	1	2	0	AS
0011	24130	Grant Dr	From VA Route 613	To Route 0019 (Anderson Dr)	1.06	0.00	1.06	1	2	0	OC
0012	24016	Hill-Ewell Drive	From VA Route 621 (Orange Plank Road)	To VA Route 20	3.36	0.00	3.36	1	2	0	OC
0013	23953	McLaws-Furnace-Sickle s-Stuart-Bullock Dr	From VA Route 3	To VA Route 610 (Ely's Ford Rd)	4.70	0.00	4.70	1	2	0	AS
0014	23949	Hooker Drive	From VA Route 610	To VA Route 618	0.53	0.00	0.53	1	2	0	AS
0015	23969	Berry - Paxton Dr.	From Route 0013 at MP 3.1 on Right	To End	0.45	0.00	0.45	1	2	0	AS
0016	23978	Jackson Trail East	From Route 0013 at MP 2.1	To VA 613	0.08	2.78	2.86	1	2	0	AS
0017	46311	Jackson Trail West	From VA Route 613	To VA Route 613	0.00	2.34	2.34	1	2	0	GR
0018	23961	Slocum Dr	From Route 0013 at MP 2.9 on Right	To VA Route 610	0.80	0.00	0.80	1	2	0	AS
0019	24140	Anderson Drive	From End of Route 0011	To Route 0913	0.74	0.00	0.74	1	2	0	OC
0020	24136	Gordon Drive	From Route 0019	To Route 0022/0023	0.70	0.00	0.70	1	2	0	OC
0021	23980	Jackson Shrine	From VA 208	To Jackson Shrine	0.00	0.37	0.37	1	2	0	GR
0022	24131	Burnside Drive	From Route 0023 and Route 0020	To VA Route 208	1.42	0.00	1.42	1	2	0	OC
0023	24139	Bloody Angle Drive	From Route 0022 and Route 0020	To Route 0922	0.36	0.00	0.36	1	2	0	OC
0100	24129	Hancock Rd.	From VA 613	To Culvert	0.00	0.65	0.65	2	2	0	GR
0104	24014	Lacey House Rd.	From VA 3	To Gate	0.00	0.04	0.04	2	2	0	GR
0300	24142	Mccoull House Rd.	From Route 0020	To Storage Area	0.00	0.29	0.29	3	2	0	GR
0301	46321	Landrum House Rd.	From Route 0011	To Landrum House	0.00	0.47	0.47	3	2	0	GR
0402A		Quarters 2 Access Road	From Route 0403 at MP 0.02 on Right	To End of Loop	0.09	0.00	0.09	5	2	0	OC
0402B		Quarters 2 Access Road Spur	From Route 0402A at MP 0.04 on Right	To End	0.01	0.00	0.01	5	1	755	AS
0403	24271	Ranger Headquarters Access Rd.	From Route 0010	To Route 0908A	0.09	0.00	0.09	5	2	0	OC
0404	24015	Utility Area Access Rd.	From Route 0013	To Utility Area	0.00	0.01	0.01	5	1	0	GR
0405	46386	Ranger Lane	From Route 0013 at MP 4, on Right	To End of Route	0.11	0.00	0.11	5	2	0	OC
0406	46502	Utility Area	From Route 0013	To Utility Rd.	0.00	0.01	0.01	5	1	0	GR
0407	46508	Jackson Flank Attack Rd.	From VA Route 3	To End	0.00	0.17	0.17	5	1	0	GR
0408	23732	Marye's Heights National Cemetery Road	From Sunken Road Gate	To Big Statue in National Cemetery	0.08	0.00	0.08	5	1	3,247	BR
0500	23787	Chatham Lane	From Chatham Heights Road	To State Route 607 - River Road	0.24	0.35	0.59	2	2	0	AS
0503A		Willis Hill Road	From Sunken Road	To End of Loop	0.14	0.00	0.14	5	2	0	AS
0503B		Willis Hill Road Spur	From Route 0503A at MP 0.1 on Right	To End of Loop	0.06	0.00	0.06	5	2	0	AS
0700	24141	SBF CCC Maintenance Shed Road	From	To	0.00	0.10	0.10	ZZ	1	0	GR
0900	24283	Visitor Center Parking	From Lafayette Blvd	To Parking	0.00	0.00	0.00	9	0	24,785	AS
0901	46504	Visitor Center Annex	From Lafayette Blvd	To Willes Street	0.00	0.00	0.00	9	0	9,629	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 =

## FRSP

### Fredericksburg & Spotsylvania National Military Park

Rte. #	FMSS Asset #	Route Name	Route Description		Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
			From	To							
0902	23793	Chatham Lane Visitor Parking	Adjacent to Route 0500 on Right		0.00	0.00	0.00	9	0	7,078	AS
0903	23795	Chatham House Administrative Parking	Adjacent to Route 0500 on Left		0.00	0.00	0.00	9	0	7,486	AS
0904	36542	Salem Church Parking	Adjacent to Old Salem Church Road		0.00	0.00	0.00	9	0	8,922	AS
0905	24280	Lee Drive Parking 1	Adjacent To Route 0010 at MP 0.19 on Right		0.00	0.00	0.00	9	0	2,548	AS
0906	24281	Lee Drive Parking 2	Adjacent To Route 0010 at MP 0.67 on Right		0.00	0.00	0.00	9	0	4,433	AS
0907	24279	Lee Drive Parking 3 (Prospect Hill)	At End of Route 0010 on right		0.00	0.00	0.00	9	0	9,554	AS
0908A		Ranger Headquarters & Visitors Parking	At End of Route 0403		0.00	0.00	0.00	9	0	11,204	AS
0908B		Ranger Headquarters Visitor Parking	Adjacent to Route 0403 on Left		0.00	0.00	0.00	9	0	1,223	AS
0910A		Picket Circle Parking	From Route 0010 at MP 1.5 on Left	To End of Loop	0.00	0.00	0.00	9	0	14,154	AS
0910B		Picket Circle Parking B	Adjacent to Route 0910A on Right		0.00	0.00	0.00	9	0	0	GR
0912	24143	Spotsylvania Exhibit Parking	Adjacent to Route 0011 at MP 0.1, on Left		0.00	0.00	0.00	9	0	7,516	AS
0913	46225	Anderson Drive Parking	At End of Route 0019		0.00	0.00	0.00	9	0	3,492	AS
0914	23974	Chancellorsville Visitor Center	From VA Route 3	To Route 0013	0.00	0.00	0.00	9	0	32,900	AS
0915	36538	CVC Battle Site Parking	From Ely's Fords Rd	To Ely's Fords Rd	0.00	0.00	0.00	9	0	6,440	AS
0916	24026	Wilderness Exhibit Shelter Parking	From VA Route 20	To VA Route 20	0.00	0.00	0.00	9	0	13,391	NC
0917	24028	Widow Tap Farm Parking	From VA Route 621	To End	0.00	0.00	0.00	9	0	3,575	AS
0919	46307	Jackson's Shrine Parking	At End of Route 0021		0.00	0.00	0.00	9	0	0	GR
0920	36541	Catharine Furnace Parking	Adjacent to Route 0016, on Left		0.00	0.00	0.00	9	0	1,491	AS
0921	46230	Bloody Angle Parking 1	Adjacent to End of Route 0011 and Beginning of Route 0019		0.00	0.00	0.00	9	0	746	AS
0922	46231	Bloody Angle Parking 2	At End of Route 0023		0.00	0.00	0.00	9	0	3,638	AS
0923		Chewing Farm Parking	Adjacent to Route 0012 at MP 1.48 on Left		0.00	0.00	0.00	9	0	1,387	AS
0924		Wadsworth's Division	Adjacent to Route 0012 at MP 2.38 on Left		0.00	0.00	0.00	9	0	817	AS
0925		Higgerson Farm	Adjacent to Route 0012 at MP 2.5 on Left		0.00	0.00	0.00	9	0	659	AS
0926		Wilderness Battle Picnic Parking	Adjacent to Route 0012 at MP 2.7 on Right		0.00	0.00	0.00	9	0	0	GR
0927		Western Ranger Office Parking	Adjacent to Route 0405, on Left		0.00	0.00	0.00	9	0	831	AS
0928		Chancellorsville Maintenance Parking	Adjacent to Route 0014 at MP 0.06 on Right		0.00	0.00	0.00	9	0	0	GR
0929		Fairview Parking	At End of Route 0013 on Right		0.00	0.00	0.00	9	0	0	GR
0930		Landram House Parking	Adjacent to Route 0011 at MP 1.01 on Left		0.00	0.00	0.00	9	0	0	GR
0931		Lee Drive Parking 4	Adjacent to Route 0010 at MP 4.13 on Left		0.00	0.00	0.00	9	0	1,563	AS



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(Numerical By Route #)

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## FRSP

### Fredericksburg & Spotsylvania 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
0932A		Lee Drive Parking 5A	Adjacent to Route 0010 at MP 3.20 on Left	0.00	0.00	0.00	9	0	2,481	AS
0932B		Lee Drive Parking 5B	Adjacent to Route 0010 at MP 3.20 on Right	0.00	0.00	0.00	9	0	1,982	AS
0933		Lee Drive Parking 6	Adjacent to Route 0010 at MP 2.60 on Left	0.00	0.00	0.00	9	0	952	AS
0934		Fire lane Parking	Adjacent to Route 0503A	0.00	0.00	0.00	9	0	2,065	AS
0935		Wilderness Tavern Parking	From VA Route 20 To Private Drive (gravel, provides access to farm)	0.00	0.00	0.00	9	0	827	AS
5409		Brompton Access Road	From Willis Street To Sunken Road	0.08	0.00	0.08	5	2	0	OC
<b>Totals:</b>				<b>19.80</b>	<b>7.58</b>	<b>27.38</b>			<b>191,773</b>	

#### General Park Road Functional Classification Table

- Class 1 Principal Park Road/Rural Parkway (Public Roads) Roads which constitute the main access route, circulatory tour, or thoroughfare for park visitors. Route Numbers 1 - 99. Note: Rural parkways (e.g. Natchez Trace) are numbered 1 - 9. State Routes Inventoried for Park. Route Numbers 5000-5999
- Class 2 Connector Park Road (Public Roads) - Roads which provide access within a park to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, etc. Route Numbers 100-199.
- Class 3 Special Purpose Park Road (Public Roads) - Roads which provide circulation within public areas, such as campgrounds, picnic areas, visitor center complexes, concessionaire facilities, etc. These roads generally serve low-speed traffic and are often designed for one-way circulation. Route Numbers 200-299.
- Class 4 Primitive Park Roads (Public Roads) - Roads which provide circulation through remote areas and/or access to primitive campgrounds and undeveloped areas. These roads frequently have no minimum design standards and their use may be limited to specially equipped vehicles. Route Numbers 200-299.  
Note: Functional Classes 3 and 4 have the same route numbers because, historically, they were numbered similarly.
- Class 5 Administrative Access Road (Administrative Roads) - All public roads intended for access to administrative developments or structures such as park offices, employee quarters, or utility areas. Route Numbers 400-499.
- Class 6 Restricted Road (Administrative Roads) - All roads normally closed to the public, including patrol roads, truck trails, and other similar roads. Route Numbers 400-499.  
Note: Functional Classes 5 and 6 have the same route numbers because historically they were numbered similarly and often there is little distinction between these routes. For example, because utility areas and employee housing are often closed to the public, this restriction would result in classification of FC 6 rather than FC 5.
- Class 7 Urban Parkway (Urban Parkways and City Streets) - These facilities serve high volumes of park and non-park related traffic and are restricted, limited-access facilities in an urban area. This category of roads primarily encompasses the major parkways which serve as gateways to our nation's capital. Other major park roads or portions thereof, however, may be included in this category. Route Numbers 1-9.
- Class 8 City Streets (Urban Parkways and City Streets) - City streets are usually extensions of the adjoining street system that are owned and maintained by the National Park Service. The construction and/or reconstruction should conform with accepted local engineering practice and local conditions. Route Numbers 600-699.
- Class 9 Boat Ramp - (Public and Administrative) Route Numbers 800-899.  
Parking Area - (Public and Administrative) Route Numbers 900-1999.

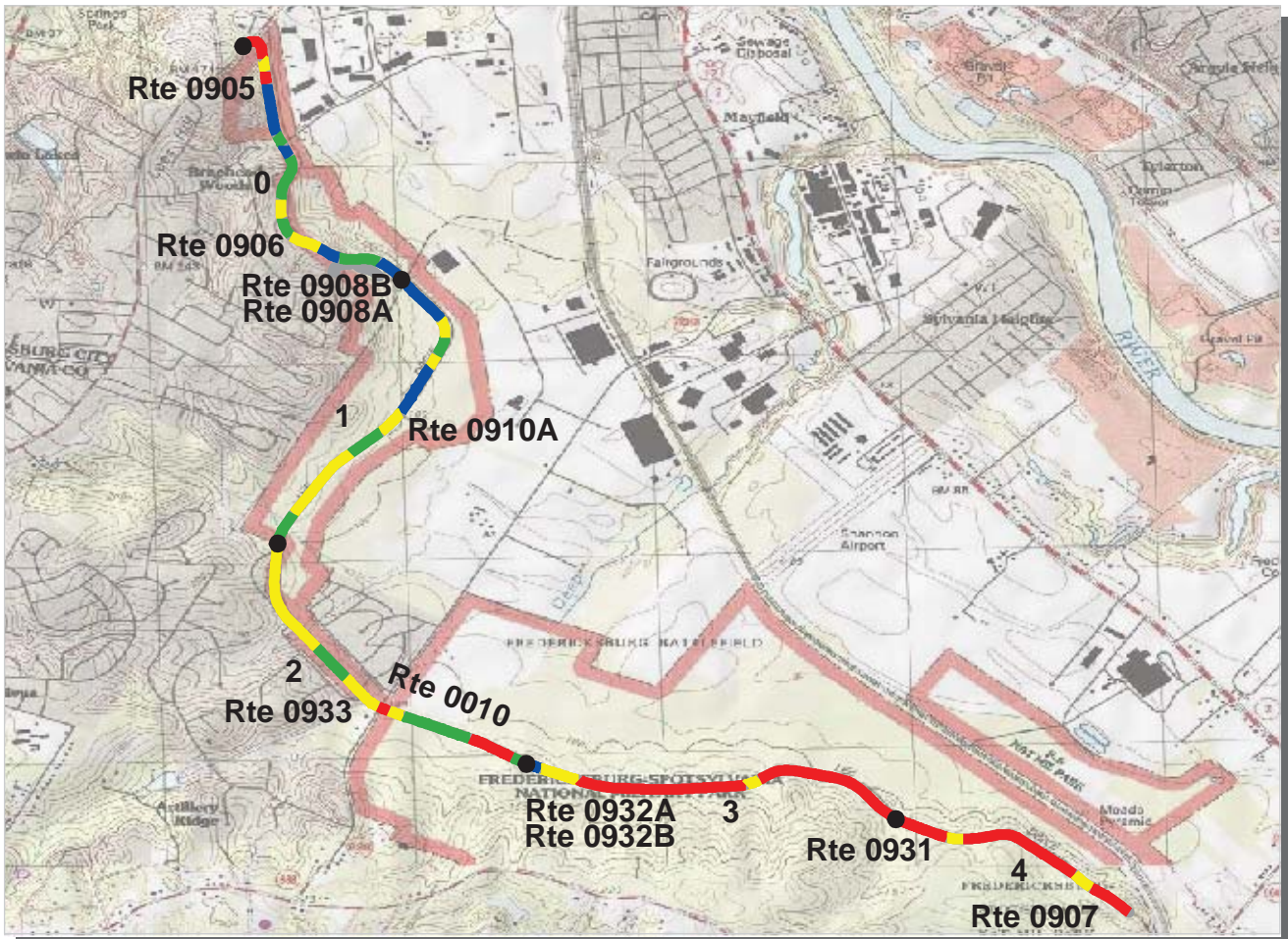
#### Surface Type Abbreviations:

- 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

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

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

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.



**Northeast Region**  
**FRSP : Fredericksburg & Spotsylvania National Military Park**

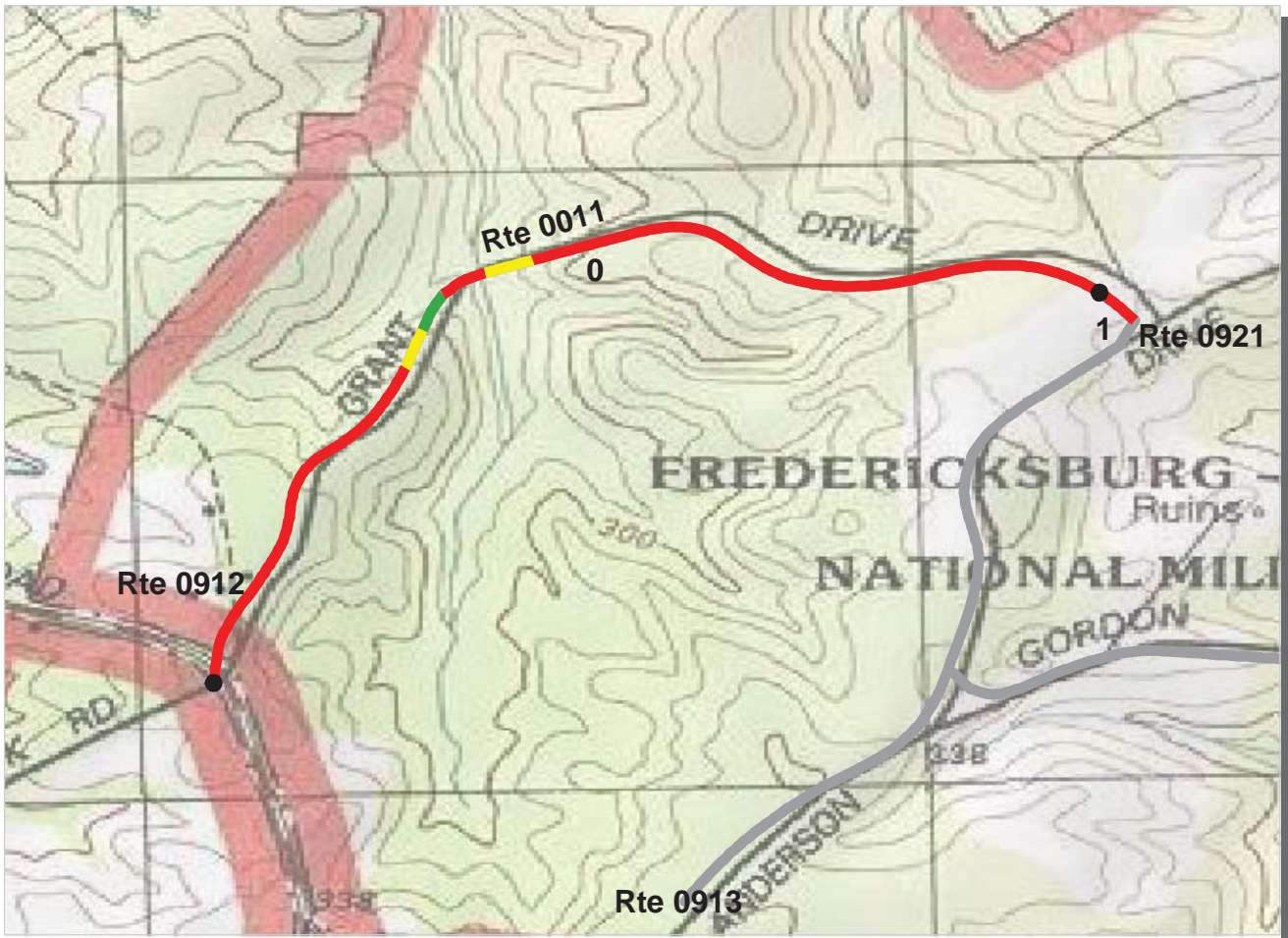
**ROUTE: 0010 Lee Drive** **TOTAL LENGTH: 4.69 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	0.69
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	19	18	18	19	18
Lane Width (ft)	9	9	9	9	9
Shoulder Width (ft)	7	5	5	6	5
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	84	86	76	48	46
RCI (Roughness Condition Index)	97	95	96	99	97
SCR (Surface Condition Rating)	79	80	66	15	17
Alligator Cracking Index	98	99	88	28	41
Rutting Index	94	87	85	92	88
Patching Index	100	100	100	99	100
Transverse Cracking Index	90	98	93	90	89
Longitudinal Cracking Index	96	94	96	94	89
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

\* NC designates data not collected NA designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>

**ROUTE: 0010 Lee Drive**





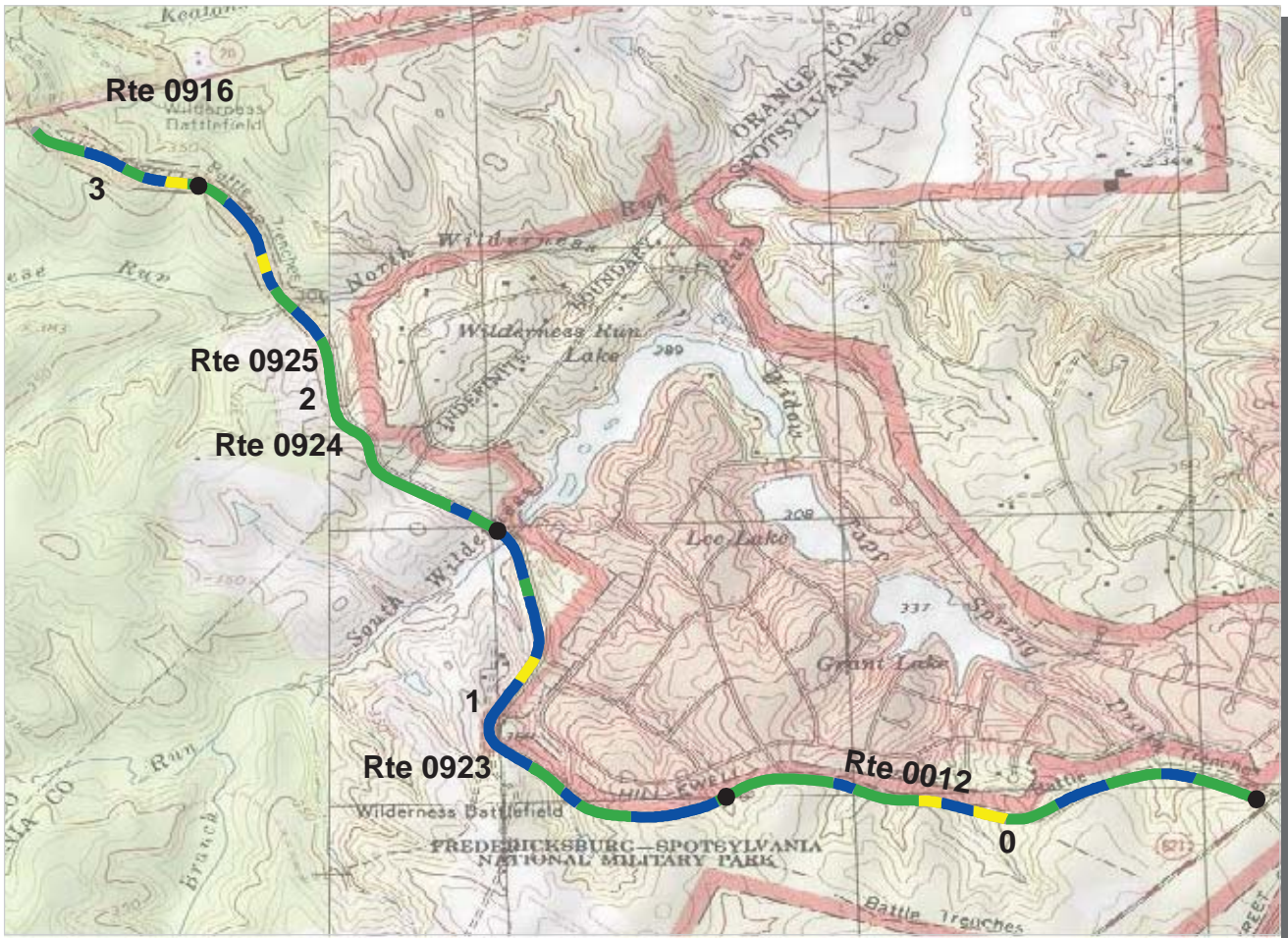
**Northeast Region**  
**FRSP : Fredericksburg & Spotsylvania National Military Park**

**ROUTE: 0011 Grant Dr** **TOTAL LENGTH: 1.06 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.06			
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2			
Paved Width (ft)	17	17			
Lane Width (ft)	9	8			
Shoulder Width (ft)	6	5			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	43	25			
RCI (Roughness Condition Index)	67	82			
SCR (Surface Condition Rating)	27	18			
Alligator Cracking Index	68	49			
Rutting Index	59	56			
Patching Index	99	100			
Transverse Cracking Index	94	100			
Longitudinal Cracking Index	89	96			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

ROUTE: 0011 Grant Dr

\* NC designates data not collected NA designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



**Northeast Region**

**FRSP : Fredericksburg & Spotsylvania National Military Park**

**ROUTE: 0012 Hill-Ewell Drive**

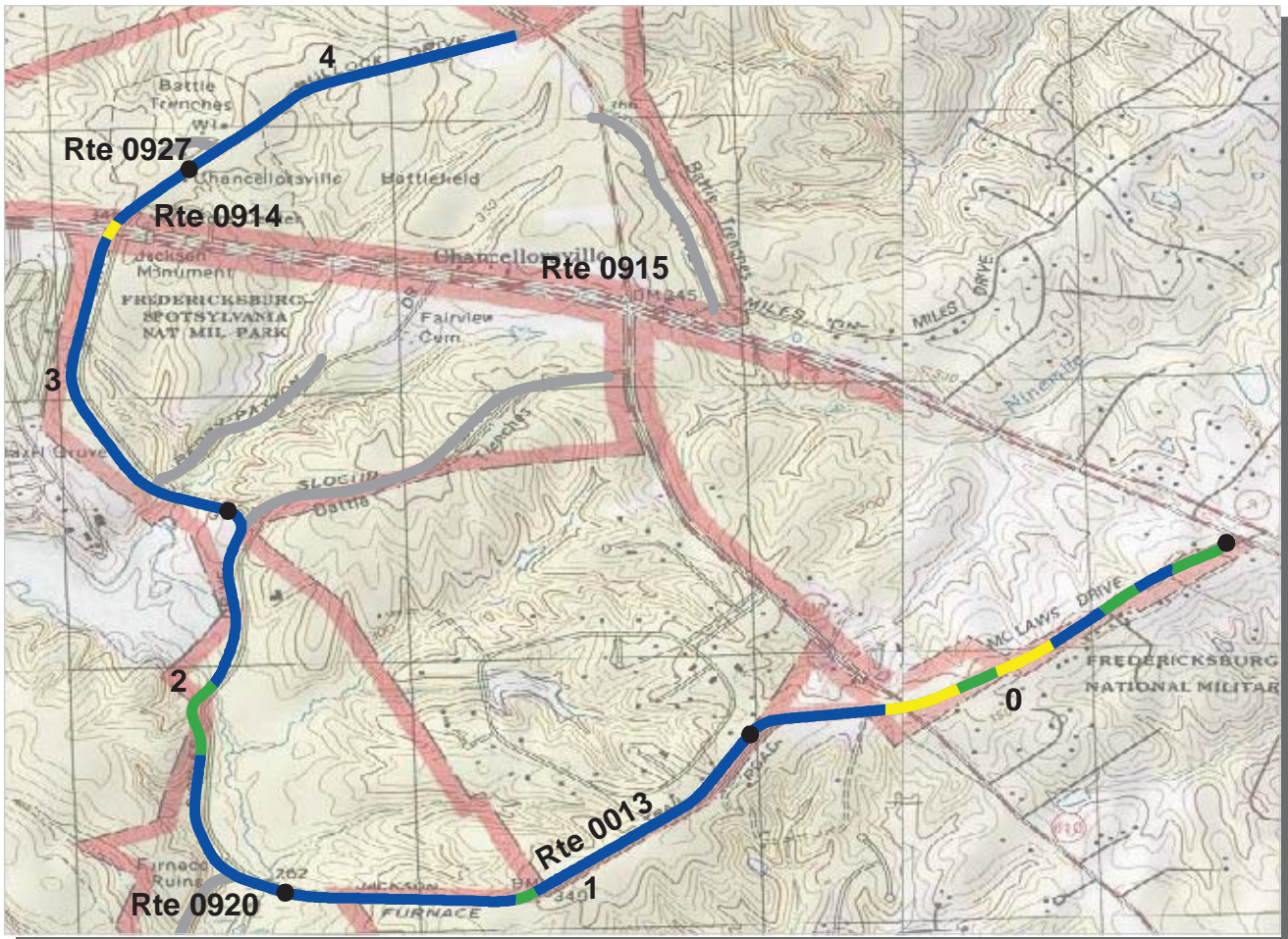
**TOTAL LENGTH: 3.36 Miles**

Section Number	0	1	2	3
Section Length (mi)	1.00	1.00	1.00	0.36
AADT	**			
SADT	**			
ADT Date	**			
<b>Cross Section Information</b>				
Number of Lanes	2	2	2	2
Paved Width (ft)	18	19	18	19
Lane Width (ft)	8	9	8	9
Shoulder Width (ft)	0	5	6	6
<b>Roadway Condition Information</b>				
PCR (Pavement Condition Rating)	91	94	91	89
RCI (Roughness Condition Index)	91	89	87	89
SCR (Surface Condition Rating)	91	96	94	90
Alligator Cracking Index	100	99	100	100
Rutting Index	92	97	95	90
Patching Index	100	100	100	100
Transverse Cracking Index	99	100	100	100
Longitudinal Cracking Index	99	99	99	99
Shoulder Condition Rating	N/A	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD

ROUTE: 0012 Hill-Ewell Drive

\* NC designates data not collected NA designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>





**Northeast Region**

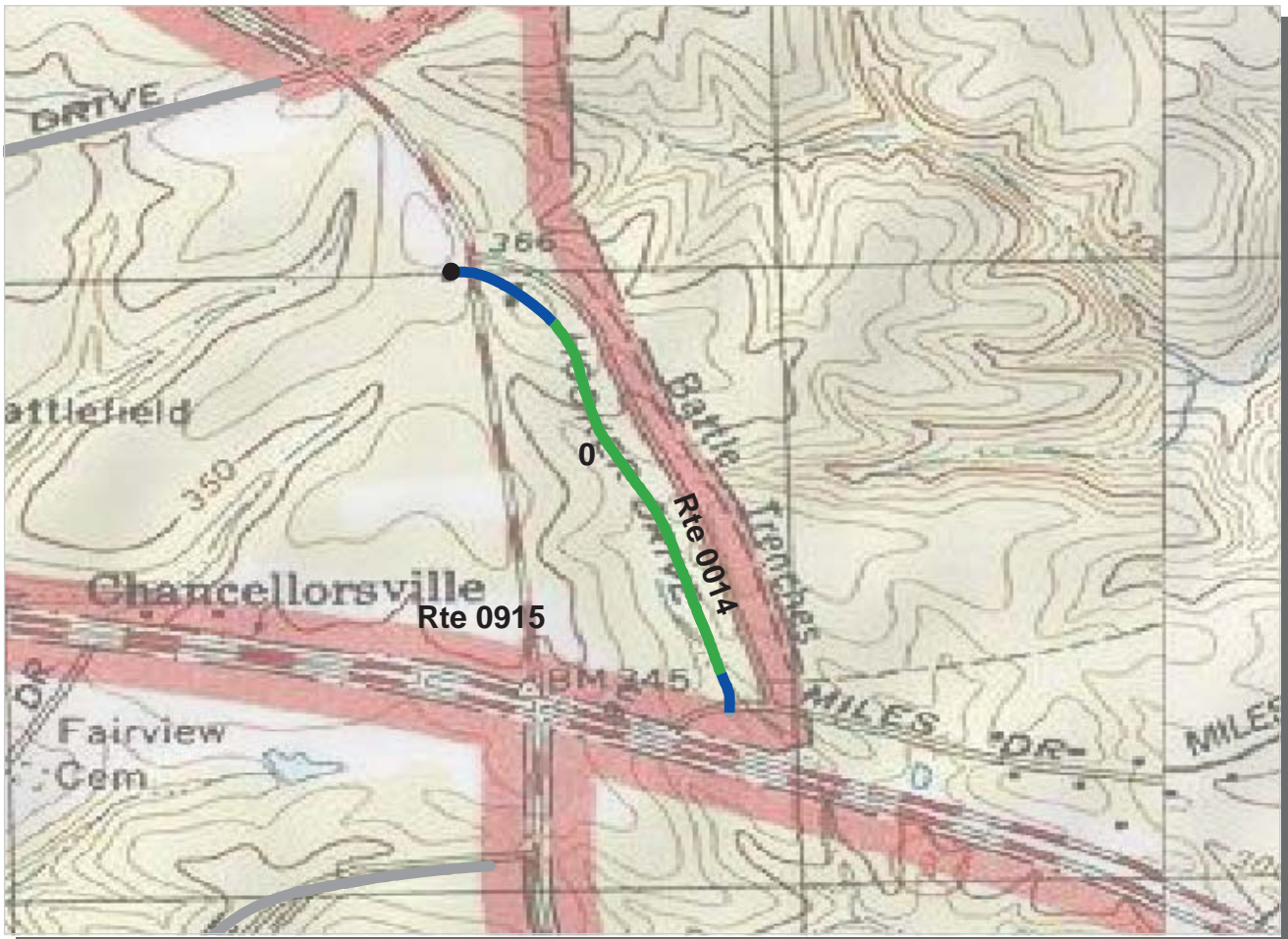
**FRSP : Fredericksburg & Spotsylvania National Military Park**

**ROUTE: 0013 Mclaws-Furnace-Sickles-Stuart-Bullock Dr TOTAL LENGTH: 4.70 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	0.70
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	18	18	19	19	19
Lane Width (ft)	9	9	9	10	10
Shoulder Width (ft)	5	5	4	6	6
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	89	97	97	97	98
RCI (Roughness Condition Index)	89	95	93	96	96
SCR (Surface Condition Rating)	90	98	99	98	99
Alligator Cracking Index	98	99	99	100	100
Rutting Index	96	99	99	99	99
Patching Index	100	100	100	100	100
Transverse Cracking Index	98	99	99	99	100
Longitudinal Cracking Index	96	99	99	99	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

\* NC designates data not collected NA designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>

ROUTE: 0013 Mclaws-Furnace-Sickles-Stuart-Bullock Dr



**Northeast Region**  
**FRSP : Fredericksburg & Spotsylvania National Military Park**

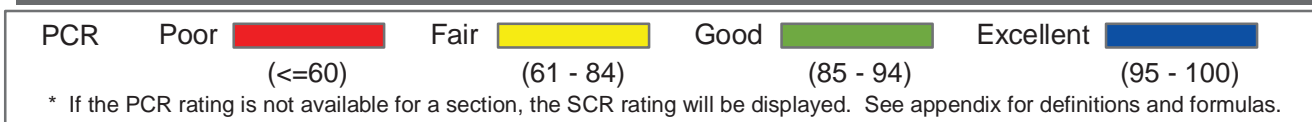
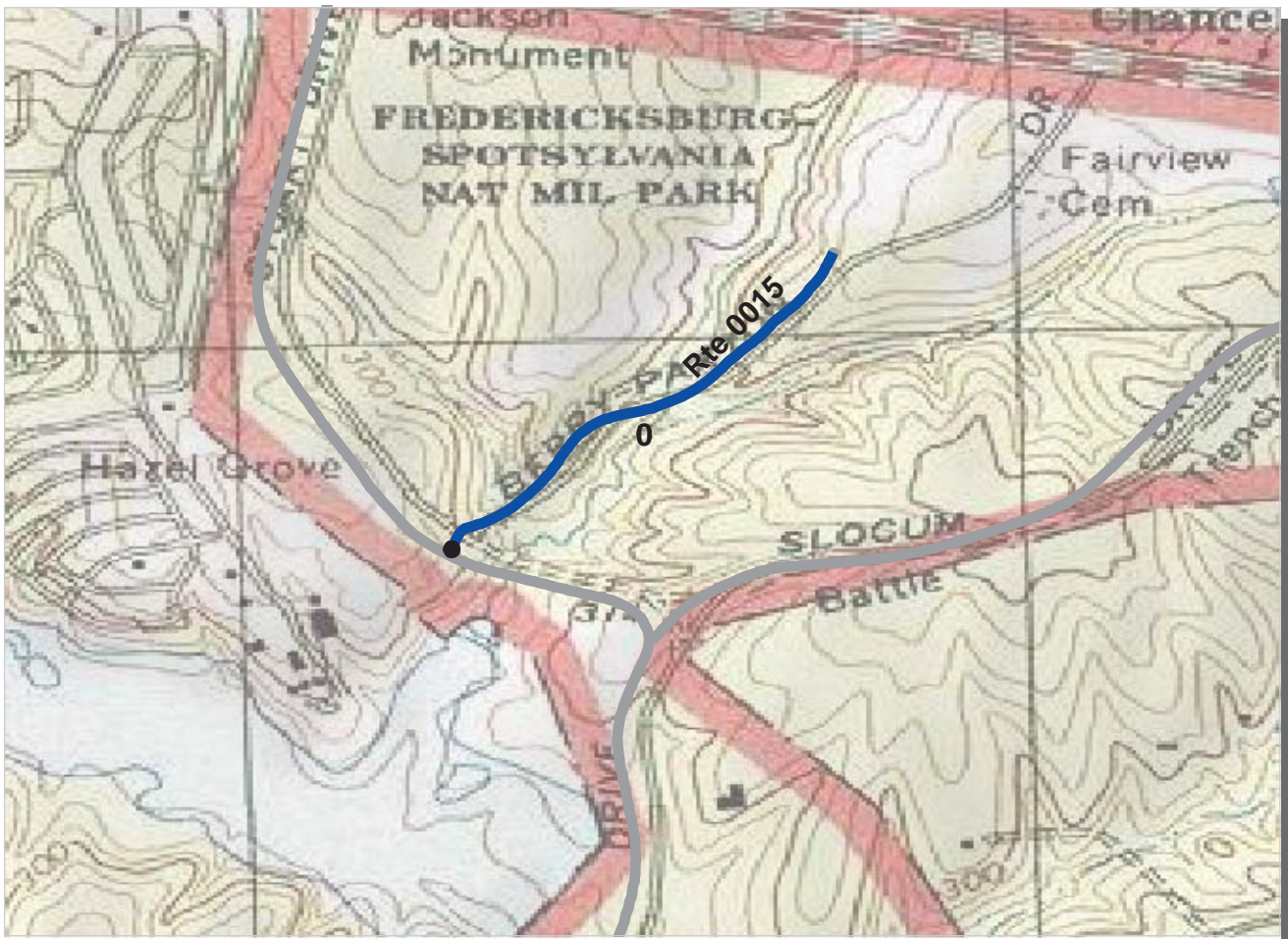
**ROUTE: 0014 Hooker Drive** **TOTAL LENGTH: 0.53 Miles**

Section Number	0				
Section Length (mi)	0.53				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width (ft)	4				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	91				
RCI (Roughness Condition Index)	77				
SCR (Surface Condition Rating)	98				
Alligator Cracking Index	100				
Rutting Index	98				
Patching Index	100				
Transverse Cracking Index	100				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

**ROUTE: 0014 Hooker Drive**

\* NC designates data not collected NA designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>





**Northeast Region**

**FRSP : Fredericksburg & Spotsylvania National Military Park**

**ROUTE: 0015 Berry - Paxton Dr.**

**TOTAL LENGTH: 0.45 Miles**

Section Number	0				
Section Length (mi)	0.45				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Shoulder Width (ft)	6				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	97				
RCI (Roughness Condition Index)	96				
SCR (Surface Condition Rating)	97				
Alligator Cracking Index	100				
Rutting Index	97				
Patching Index	100				
Transverse Cracking Index	100				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0015 Berry - Paxton Dr.

\* NC designates data not collected NA designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



**Northeast Region**  
**FRSP : Fredericksburg & Spotsylvania National Military Park**

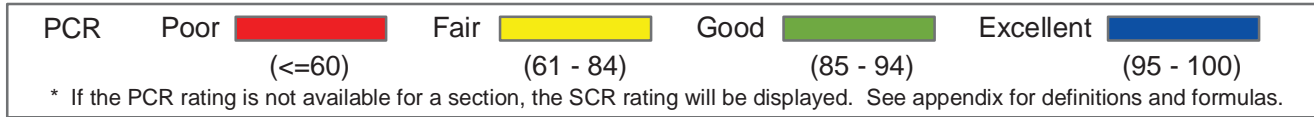
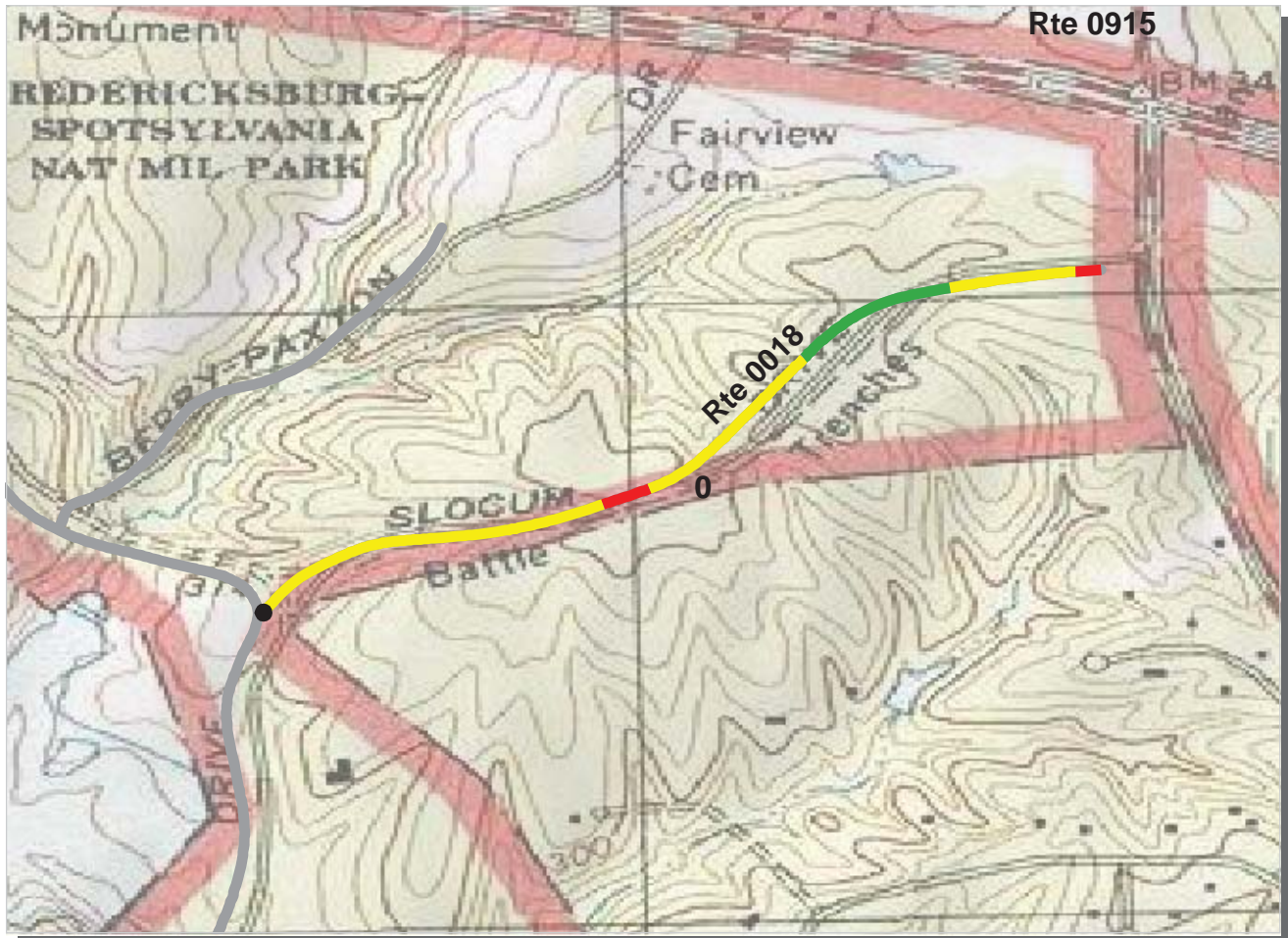
**ROUTE: 0016 Jackson Trail East** **TOTAL LENGTH: 2.86 Miles**

Section Number	0	1	2		
Section Length (mi)	1.00	1.00	0.86		
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2	2	2		
Paved Width (ft)	20	21	21		
Lane Width (ft)	10	11	10		
Shoulder Width (ft)	4	5	4		
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	74	75	75		
RCI (Roughness Condition Index)	60	72	74		
SCR (Surface Condition Rating)	80	76	75		
Alligator Cracking Index	100	100	100		
Rutting Index	80	76	75		
Patching Index	100	100	100		
Transverse Cracking Index	100	100	100		
Longitudinal Cracking Index	100	100	100		
Shoulder Condition Rating	GOOD	GOOD	GOOD		
Drainage Condition Rating	GOOD	GOOD	GOOD		

**ROUTE: 0016 Jackson Trail East**

\* NC designates data not collected NA designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>





**Northeast Region**

**FRSP : Fredericksburg & Spotsylvania National Military Park**

**ROUTE: 0018 Slocum Dr**

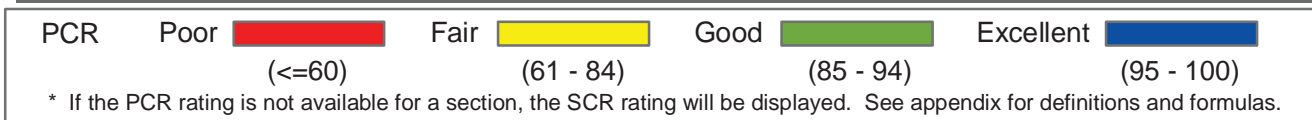
**TOTAL LENGTH: 0.80 Miles**

Section Number	0				
Section Length (mi)	0.80				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Shoulder Width (ft)	4				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	70				
RCI (Roughness Condition Index)	86				
SCR (Surface Condition Rating)	63				
Alligator Cracking Index	82				
Rutting Index	92				
Patching Index	100				
Transverse Cracking Index	91				
Longitudinal Cracking Index	96				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0018 Slocum Dr

\* NC designates data not collected NA designates not applicable

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



**Northeast Region**

**FRSP : Fredericksburg & Spotsylvania National Military Park**

**ROUTE: 0019 Anderson Drive**

**TOTAL LENGTH: 0.74 Miles**

Section Number	0				
Section Length (mi)	0.74				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	9				
Shoulder Width (ft)	6				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	73				
RCI (Roughness Condition Index)	94				
SCR (Surface Condition Rating)	61				
Alligator Cracking Index	96				
Rutting Index	87				
Patching Index	100				
Transverse Cracking Index	88				
Longitudinal Cracking Index	89				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0019 Anderson Drive

\* NC designates data not collected NA designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>





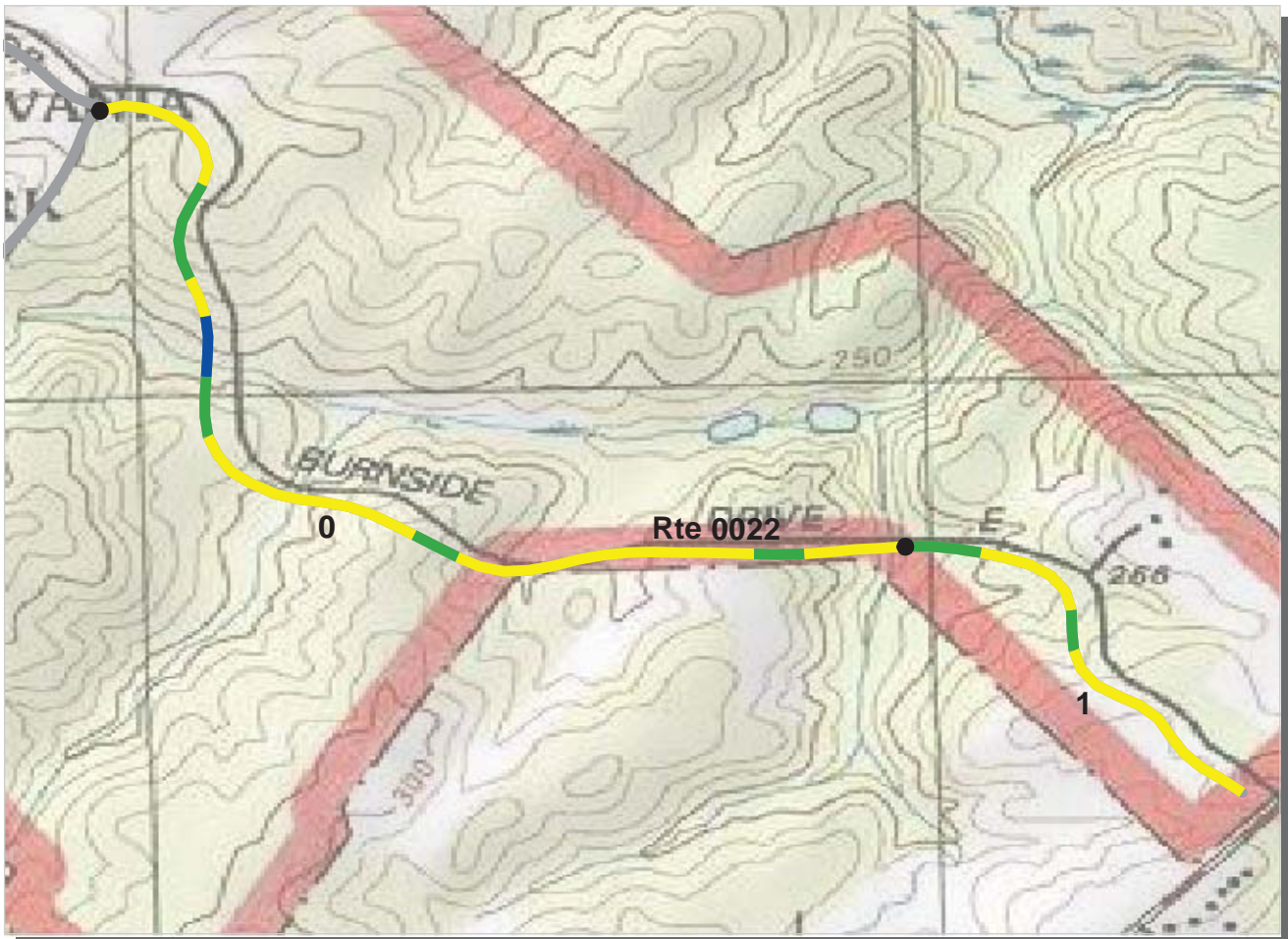
**Northeast Region**  
**FRSP : Fredericksburg & Spotsylvania National Military Park**

**ROUTE: 0020 Gordon Drive** **TOTAL LENGTH: 0.70 Miles**

Section Number	0				
Section Length (mi)	0.70				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	7				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	57				
RCI (Roughness Condition Index)	57				
SCR (Surface Condition Rating)	56				
Alligator Cracking Index	97				
Rutting Index	62				
Patching Index	100				
Transverse Cracking Index	99				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0020 Gordon Drive

\* NC designates data not collected NA designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



**Northeast Region**  
**FRSP : Fredericksburg & Spotsylvania National Military Park**

**ROUTE: 0022 Burnside Drive** **TOTAL LENGTH: 1.42 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.42			
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1	1			
Paved Width (ft)	25	9			
Lane Width (ft)	25	9			
Shoulder Width (ft)	6	4			
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	77	73			
RCI (Roughness Condition Index)	84	81			
SCR (Surface Condition Rating)	75	70			
Alligator Cracking Index	98	99			
Rutting Index	81	81			
Patching Index	100	100			
Transverse Cracking Index	98	97			
Longitudinal Cracking Index	96	92			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

**ROUTE: 0022 Burnside Drive**

\* NC designates data not collected NA designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>





**Northeast Region**

**FRSP : Fredericksburg & Spotsylvania National Military Park**

**ROUTE: 0023 Bloody Angle Drive**

**TOTAL LENGTH: 0.36 Miles**

Section Number	0				
Section Length (mi)	0.36				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	8				
Shoulder Width (ft)	7				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	76				
RCI (Roughness Condition Index)	80				
SCR (Surface Condition Rating)	76				
Alligator Cracking Index	100				
Rutting Index	84				
Patching Index	100				
Transverse Cracking Index	96				
Longitudinal Cracking Index	95				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

**ROUTE: 0023 Bloody Angle Drive**

\* NC designates data not collected NA designates not applicable

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



**Northeast Region**  
**FRSP : Fredericksburg & Spotsylvania National Military Park**

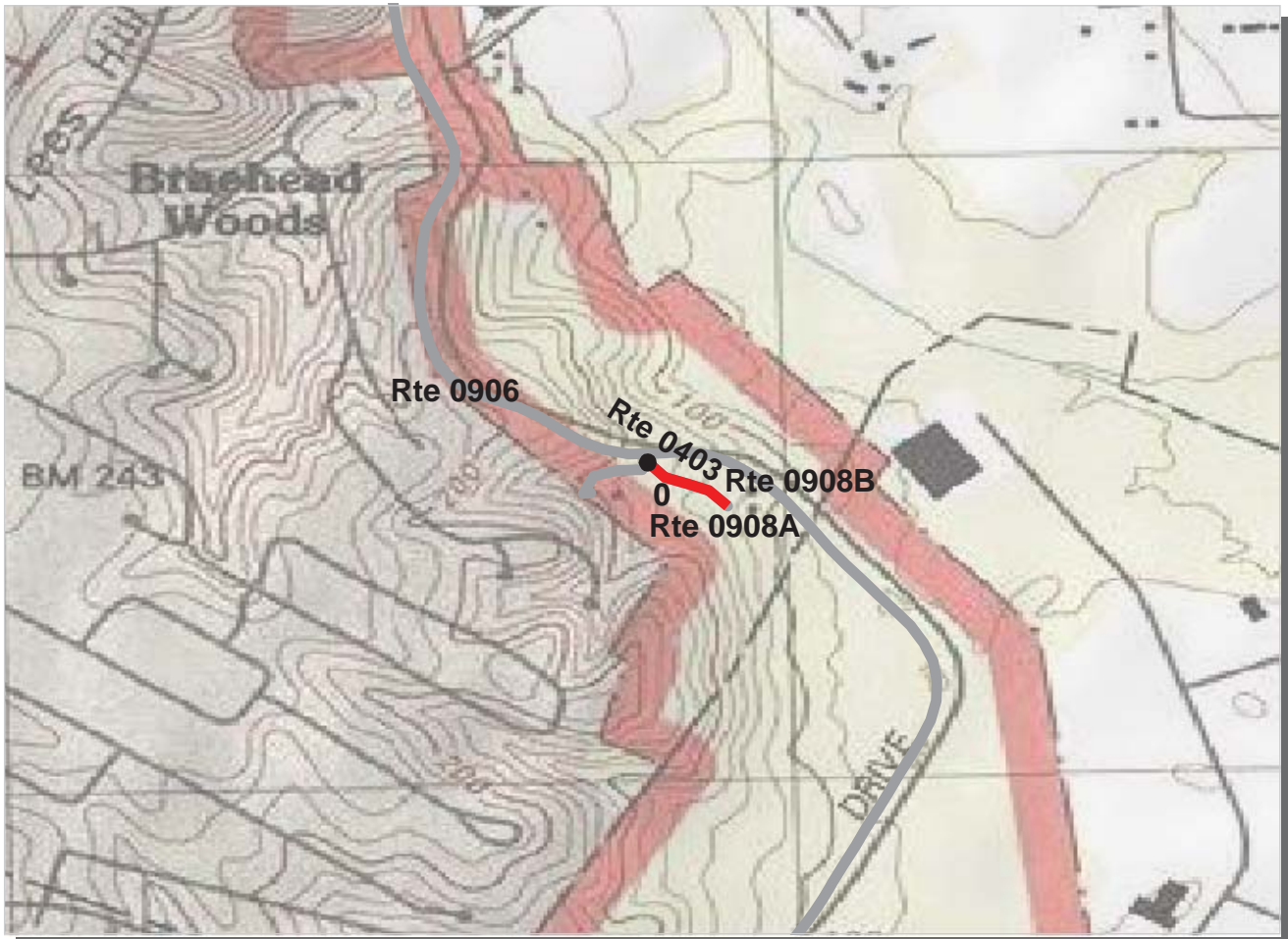
**ROUTE: 0402A Quarters 2 Access Road** **TOTAL LENGTH: 0.09 Miles**

Section Number	0				
Section Length (mi)	0.09				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	5				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	50				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	50				
Alligator Cracking Index	98				
Rutting Index	55				
Patching Index	100				
Transverse Cracking Index	97				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

**ROUTE: 0402A Quarters 2 Access Road**

\* NC designates data not collected NA designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>





**Northeast Region**

**FRSP : Fredericksburg & Spotsylvania National Military Park**

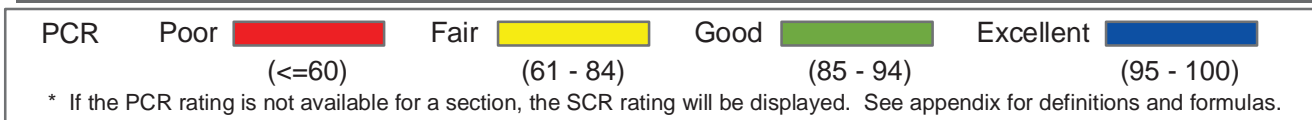
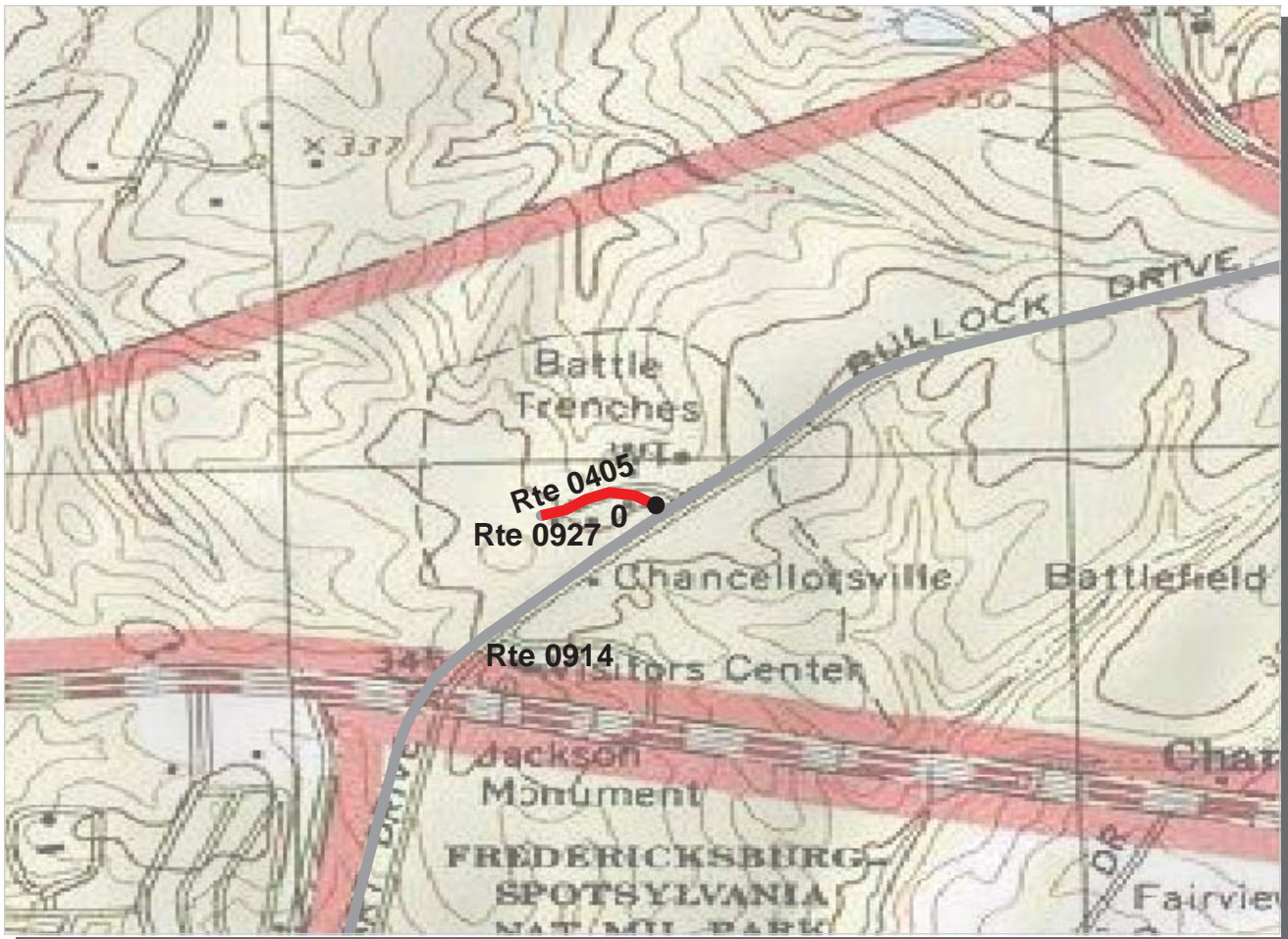
**ROUTE: 0403 Ranger Headquarters Access Rd.**

**TOTAL LENGTH: 0.09 Miles**

Section Number	0				
Section Length (mi)	0.09				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width (ft)	8				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	25				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	25				
Alligator Cracking Index	73				
Rutting Index	53				
Patching Index	99				
Transverse Cracking Index	88				
Longitudinal Cracking Index	94				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

**ROUTE: 0403 Ranger Headquarters Access Rd.**

\* NC designates data not collected NA designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



**Northeast Region**

**FRSP : Fredericksburg & Spotsylvania National Military Park**

**ROUTE: 0405 Ranger Lane**

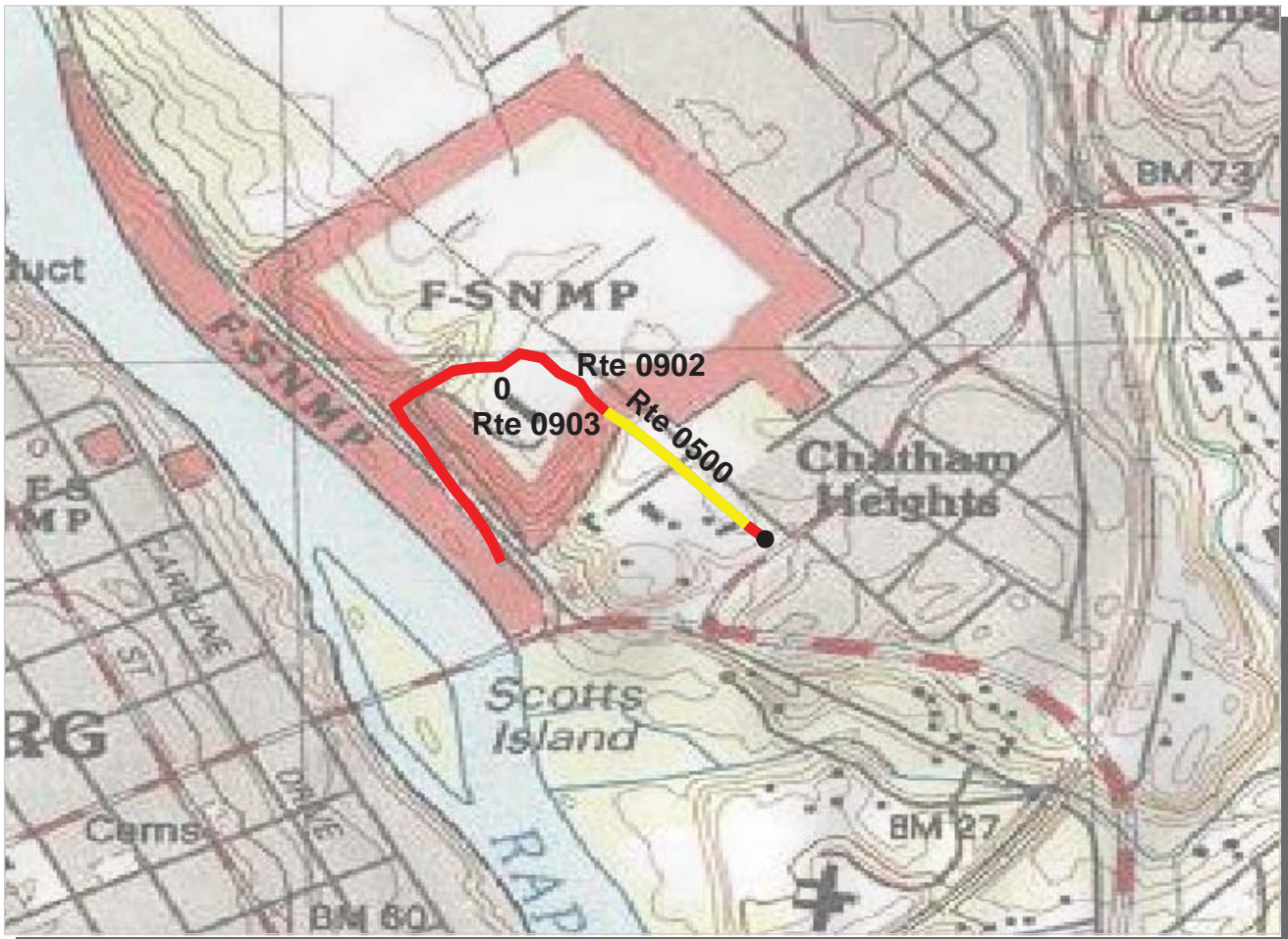
**TOTAL LENGTH: 0.11 Miles**

Section Number	0				
Section Length (mi)	0.11				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	9				
Shoulder Width (ft)	8				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	58				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	58				
Alligator Cracking Index	100				
Rutting Index	64				
Patching Index	100				
Transverse Cracking Index	96				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0405 Ranger Lane

\* NC designates data not collected NA designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>





**Northeast Region**

**FRSP : Fredericksburg & Spotsylvania National Military Park**

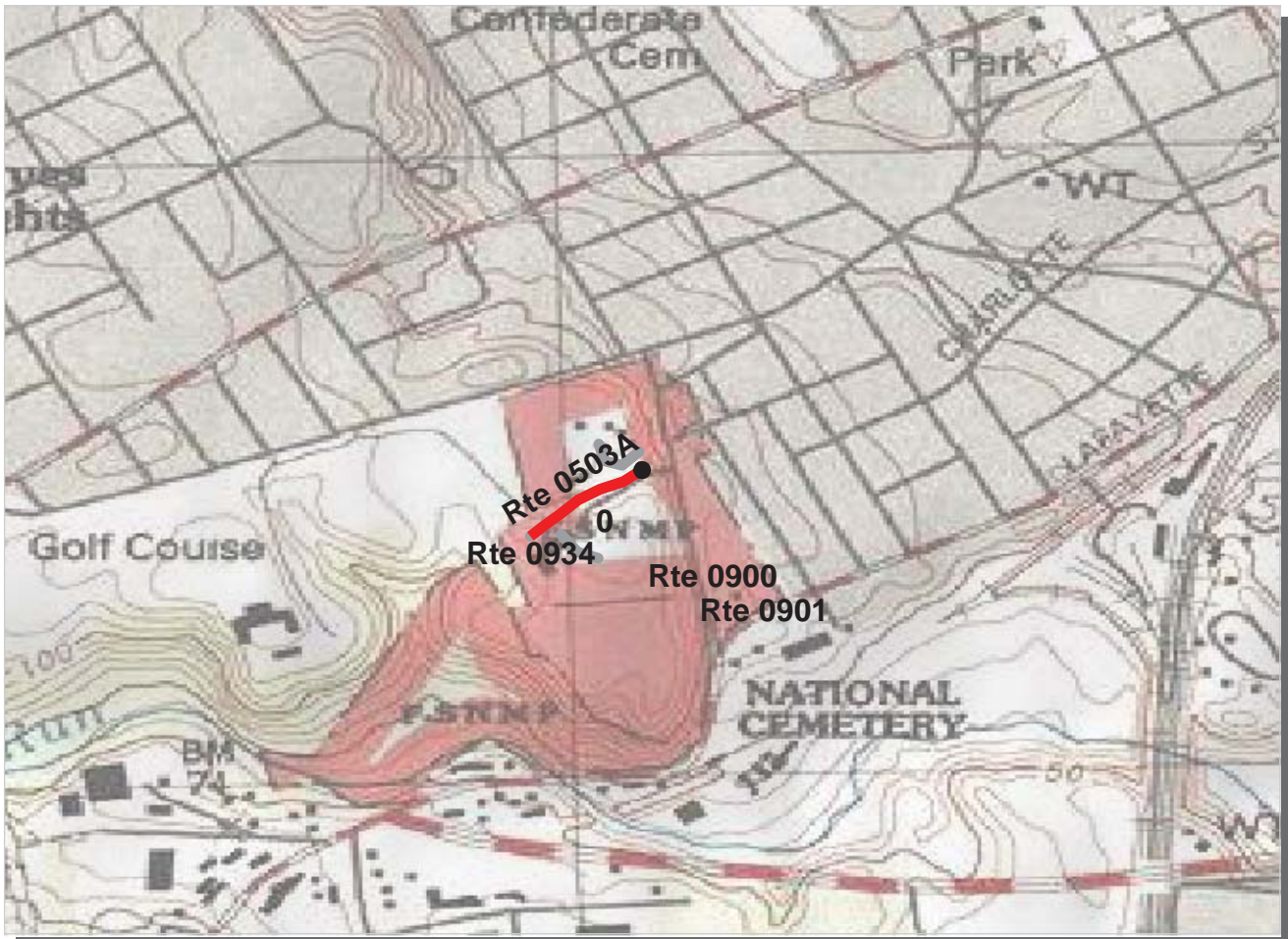
**ROUTE: 0500 Chatham Lane**

**TOTAL LENGTH: 0.59 Miles**

Section Number	0				
Section Length (mi)	0.59				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	11				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	34				
RCI (Roughness Condition Index)	75				
SCR (Surface Condition Rating)	34				
Alligator Cracking Index	100				
Rutting Index	35				
Patching Index	100				
Transverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0500 Chatham Lane

\* NC designates data not collected NA designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>



**Northeast Region**

**FRSP : Fredericksburg & Spotsylvania National Military Park**

**ROUTE: 0503A Willis Hill Road**

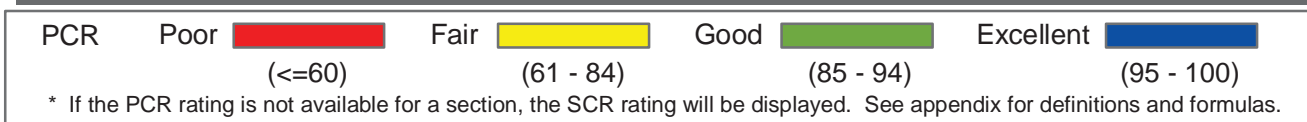
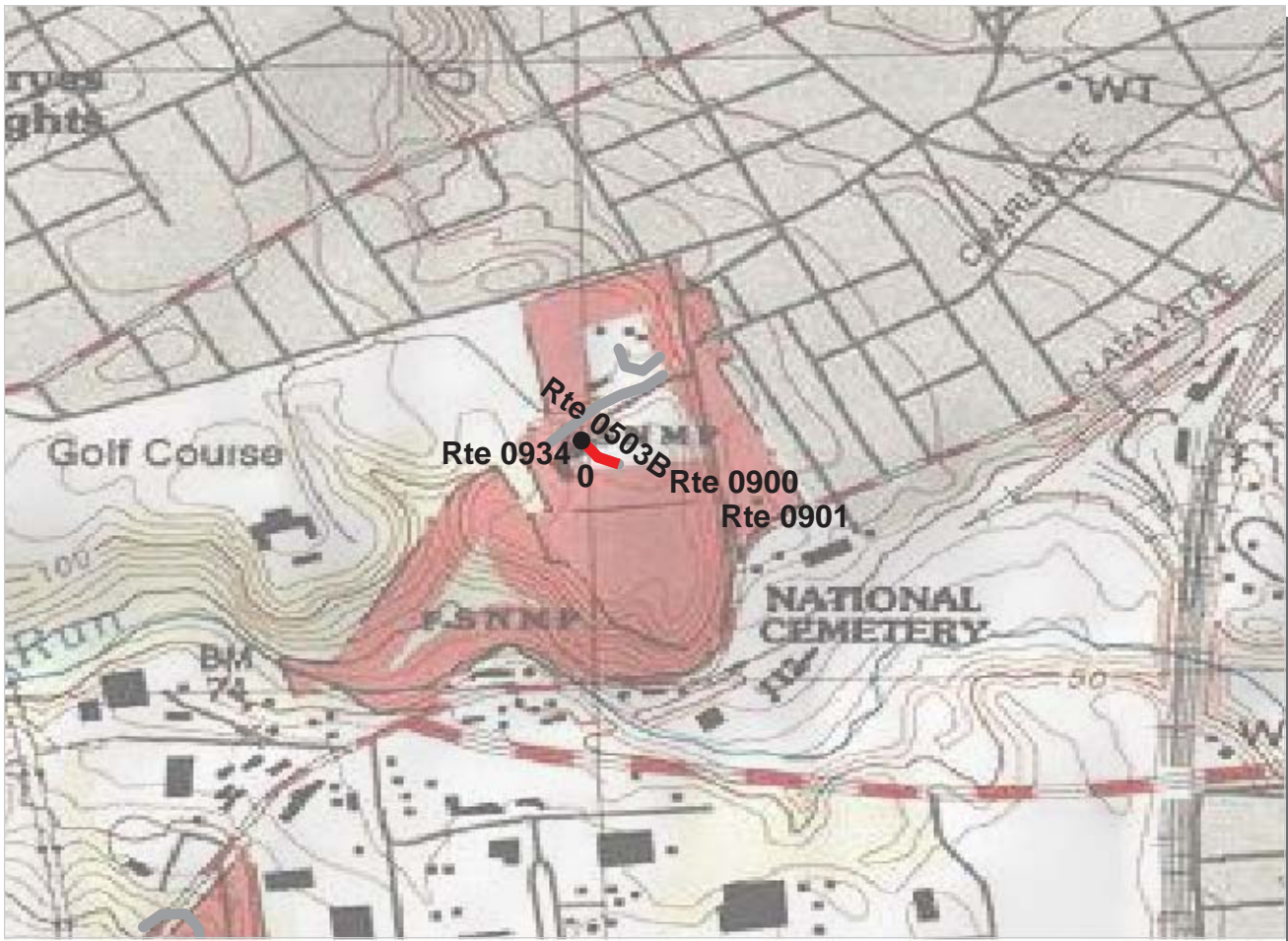
**TOTAL LENGTH: 0.14 Miles**

Section Number	0				
Section Length (mi)	0.14				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	6				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	26				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	26				
Alligator Cracking Index	100				
Rutting Index	46				
Patching Index	100				
Transverse Cracking Index	88				
Longitudinal Cracking Index	92				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

ROUTE: 0503A Willis Hill Road

\* NC designates data not collected NA designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>





**Northeast Region**

**FRSP : Fredericksburg & Spotsylvania National Military Park**

**ROUTE: 0503B Willis Hill Road Spur**

**TOTAL LENGTH: 0.06 Miles**

Section Number	0				
Section Length (mi)	0.06				
AADT	**				
SADT	**				
ADT Date	**				
<b>Cross Section Information</b>					
Number of Lanes	1				
Paved Width (ft)	9				
Lane Width (ft)	9				
Shoulder Width (ft)	5				
<b>Roadway Condition Information</b>					
PCR (Pavement Condition Rating)	6				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	6				
Alligator Cracking Index	97				
Rutting Index	44				
Patching Index	100				
Transverse Cracking Index	51				
Longitudinal Cracking Index	75				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

**ROUTE: 0503B Willis Hill Road Spur**

\* NC designates data not collected NA designates not applicable  
 \*\* See website for traffic data: <http://www.efl.fhwa.dot.gov/nps/index.htm>

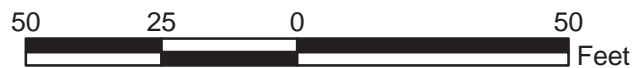
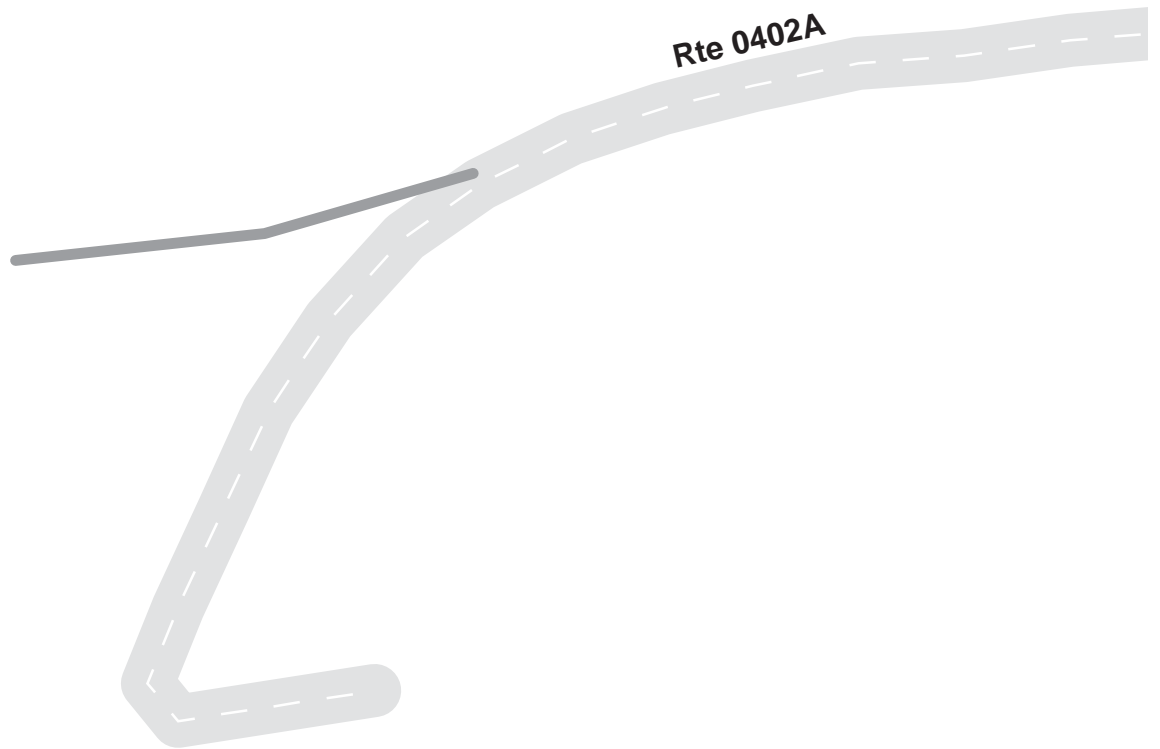
# Fredericksburg & Spotsylvania National Military Park

## Route 0402B

Quarters 2 Access Road Spur  
From Route 0402A at MP 0.04 on Right

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0402B	0.01	11.00	755	0.01	NC / -1	AS

\* Lane miles are based on 11' lane widths



# Fredericksburg & Spotsylvania National Military Park

## Route 0408

Marye'S Heights National Cemetery Road

From Sunken Road Gate

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0408	0.08	7.50	3247	0.06	GOOD / 90	BR

\* Lane miles are based on 11' lane widths



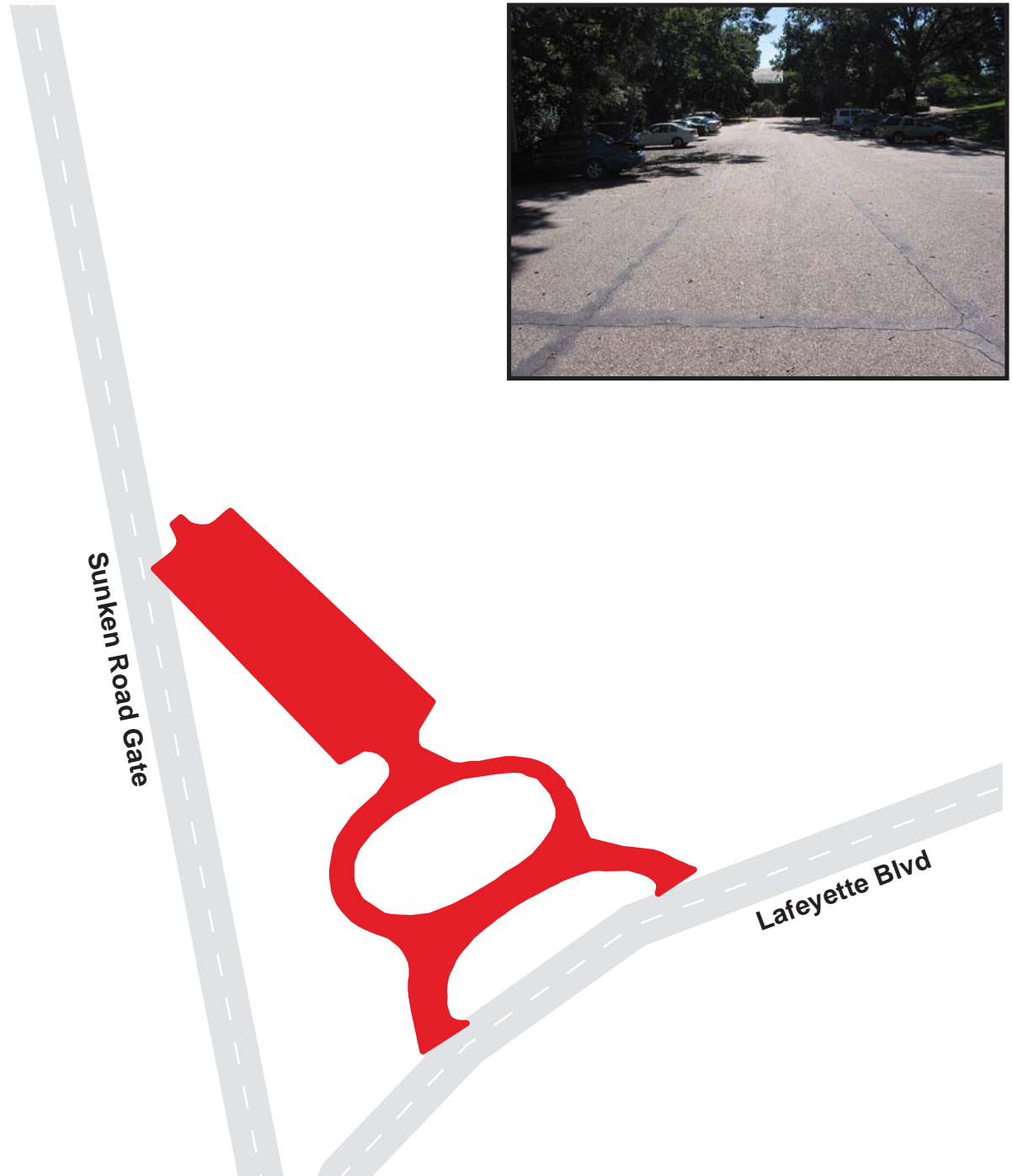
# Fredericksburg & Spotsylvania National Military Park

## Route 0900

Visitor Center Parking  
From Lafayette Blvd

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0900	Public	10/15/2003	24785	0.43	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



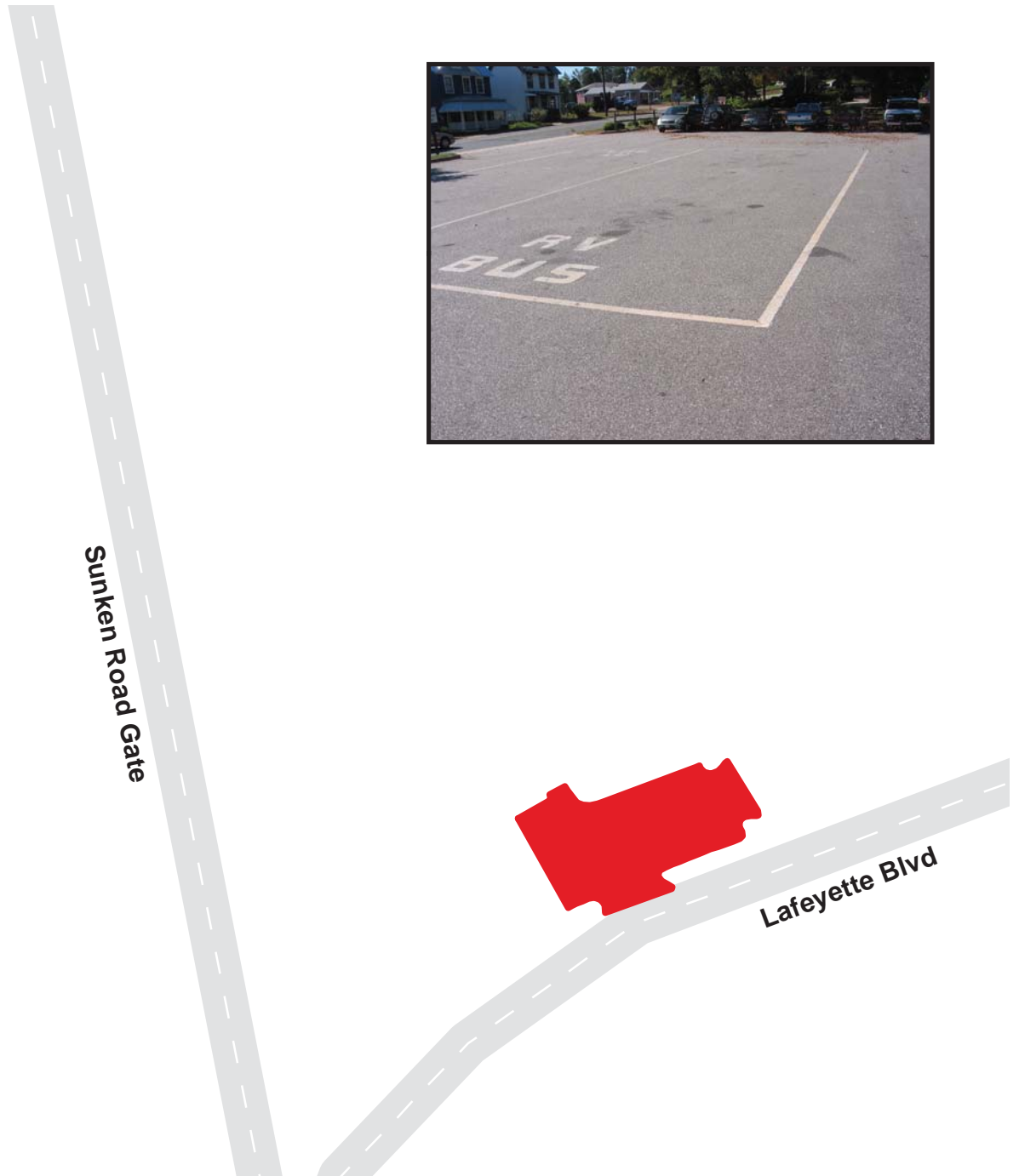
# Fredericksburg & Spotsylvania National Military Park

## Route 0901

Visitor Center Annex  
From Lafayette Blvd

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901	Public	10/15/2003	9629	0.17	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



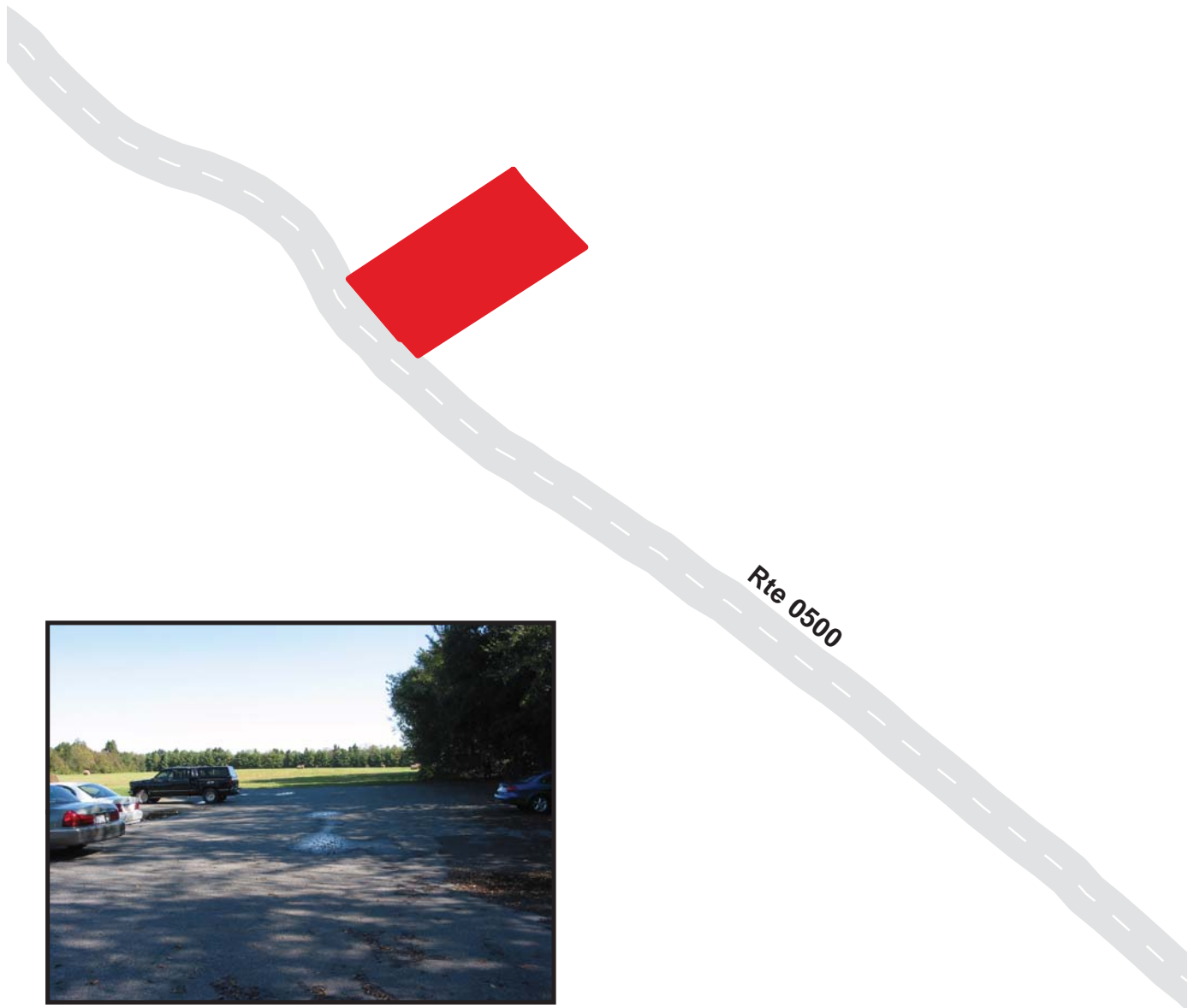
# Fredericksburg & Spotsylvania National Military Park

## Route 0902

Chatham Lane Visitor Parking  
Adjacent to Route 0500 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0902	Public	10/15/2003	7078	0.12	AS	FAIR / 73

\* Lane miles are based on 11' lane widths





# Fredericksburg & Spotsylvania National Military Park

## Route 0903

Chatham House Administrative Parking

Adjacent to Route 0500 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903	Public	10/15/2003	7486	0.13	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



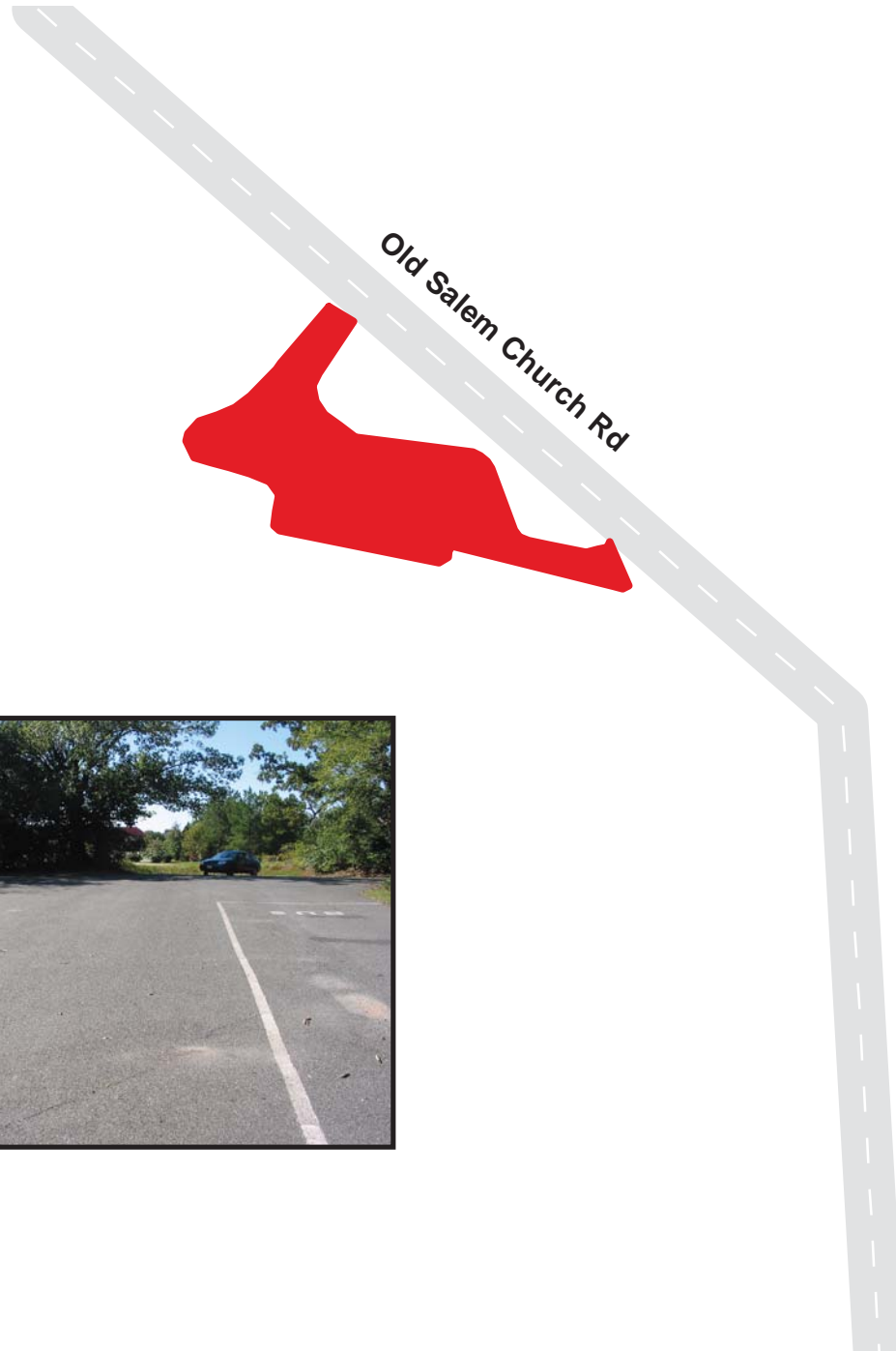
# Fredericksburg & Spotsylvania National Military Park

## Route 0904

Salem Church Parking  
Adjacent to Old Salem Church Road

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0904	Public	10/15/2003	8922	0.15	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



# Fredericksburg & Spotsylvania National Military Park

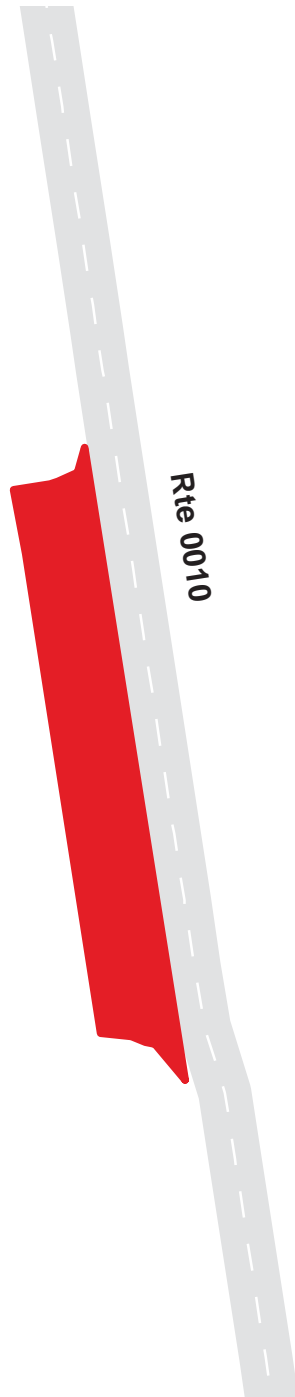
## Route 0905

Lee Drive Parking 1

Adjacent To Route 0010 at MP 0.19 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0905	Public	10/16/2003	2548	0.04	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Fredericksburg & Spotsylvania National Military Park

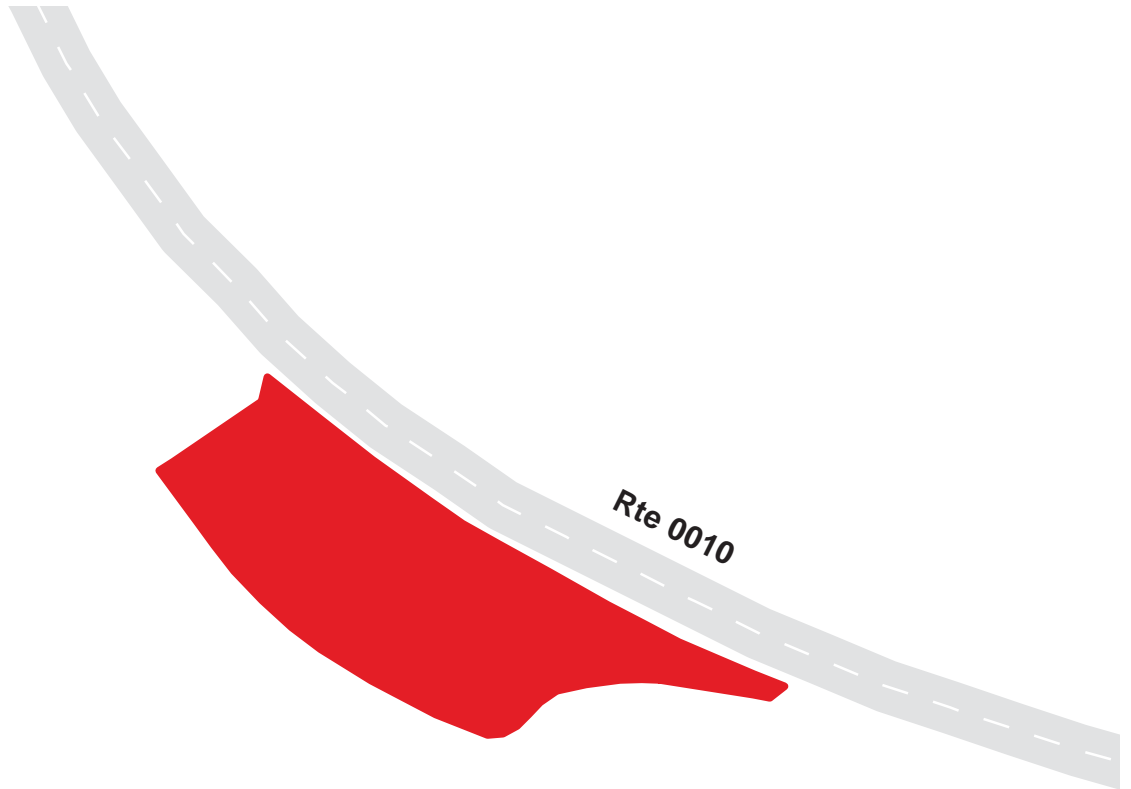
## Route 0906

Lee Drive Parking 2

Adjacent To Route 0010 at MP 0.67 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0906	Public	10/16/2003	4433	0.08	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



# Fredericksburg & Spotsylvania National Military Park

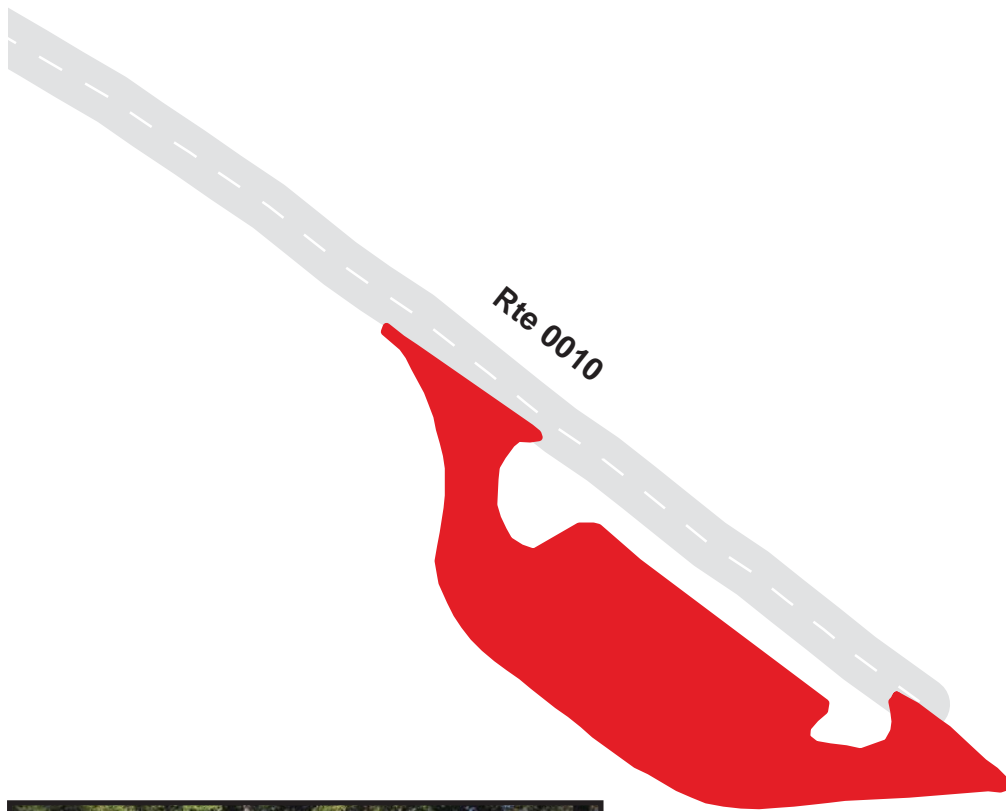
## Route 0907

Lee Drive Parking 3 (Prospect Hill)

At End of Route 0010 on right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0907	Public	10/16/2003	9554	0.16	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Fredericksburg & Spotsylvania National Military Park

## Route 0908A

Ranger Headquarters & Visitors Parking

At End of Route 0403

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0908A	NonPublic	10/16/2003	11204	0.19	AS	POOR / 45

\* Lane miles are based on 11' lane widths





# Fredericksburg & Spotsylvania National Military Park

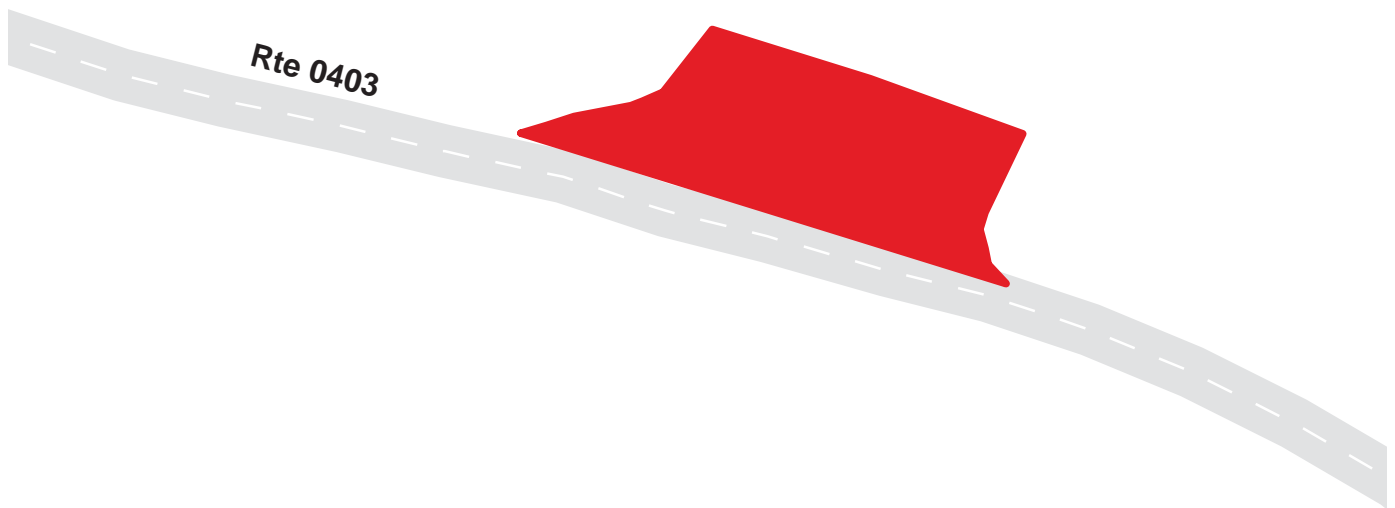
## Route 0908B

Ranger Headquarters Visitor Parking

Adjacent to Route 0403 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0908B	Public	10/16/2003	1223	0.02	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Fredericksburg & Spotsylvania National Military Park

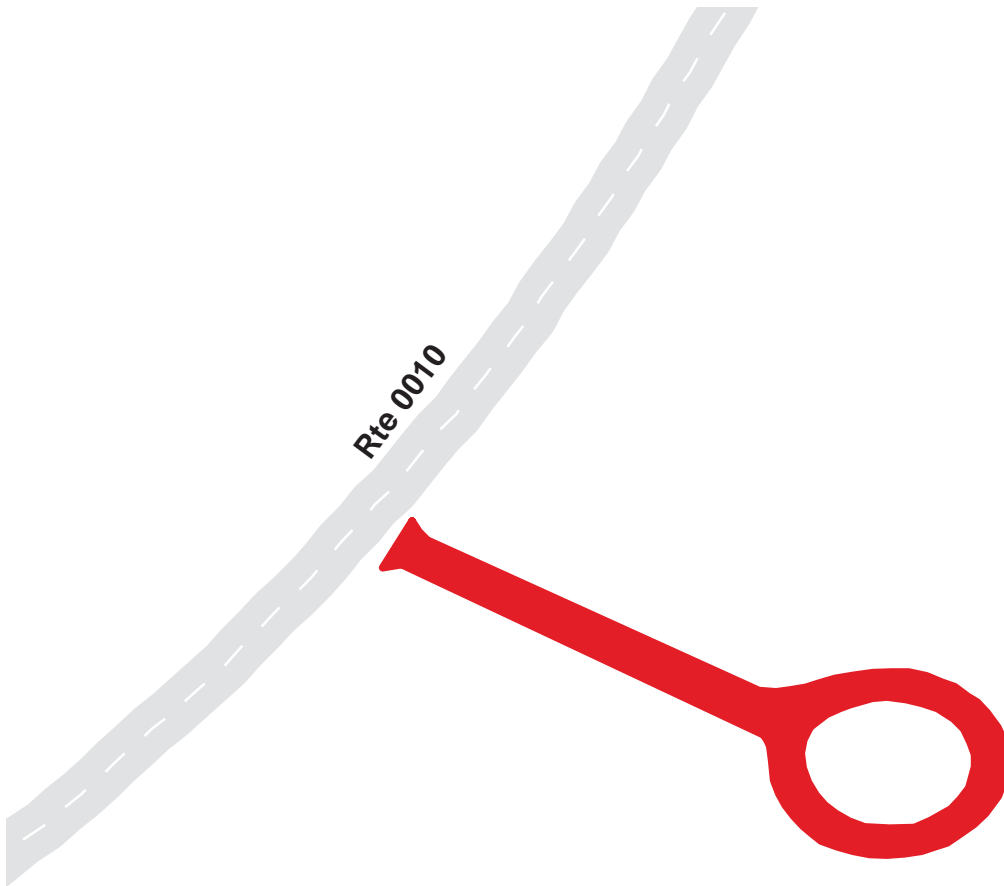
## Route 0910A

Picket Circle Parking

From Route 0010 at MP 1.5 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0910A	Public	10/16/2003	14154	0.24	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



# Fredericksburg & Spotsylvania National Military Park

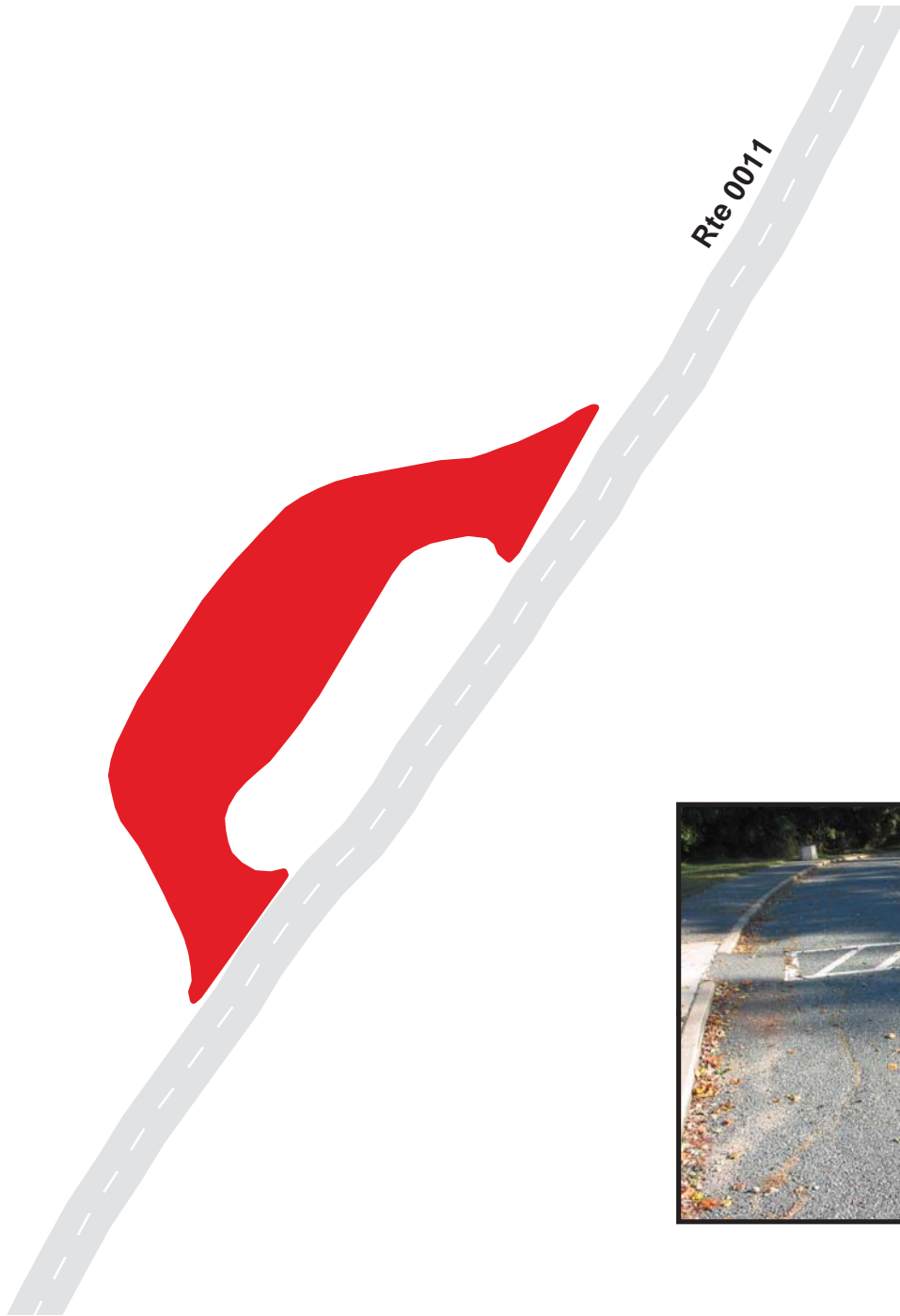
## Route 0912

Spotsylvania Exhibit Parking

Adjacent to Route 0011 at MP 0.1, on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0912	Public	10/16/2003	7516	0.13	AS	FAIR / 73

\* Lane miles are based on 11' lane widths





# Fredericksburg & Spotsylvania National Military Park

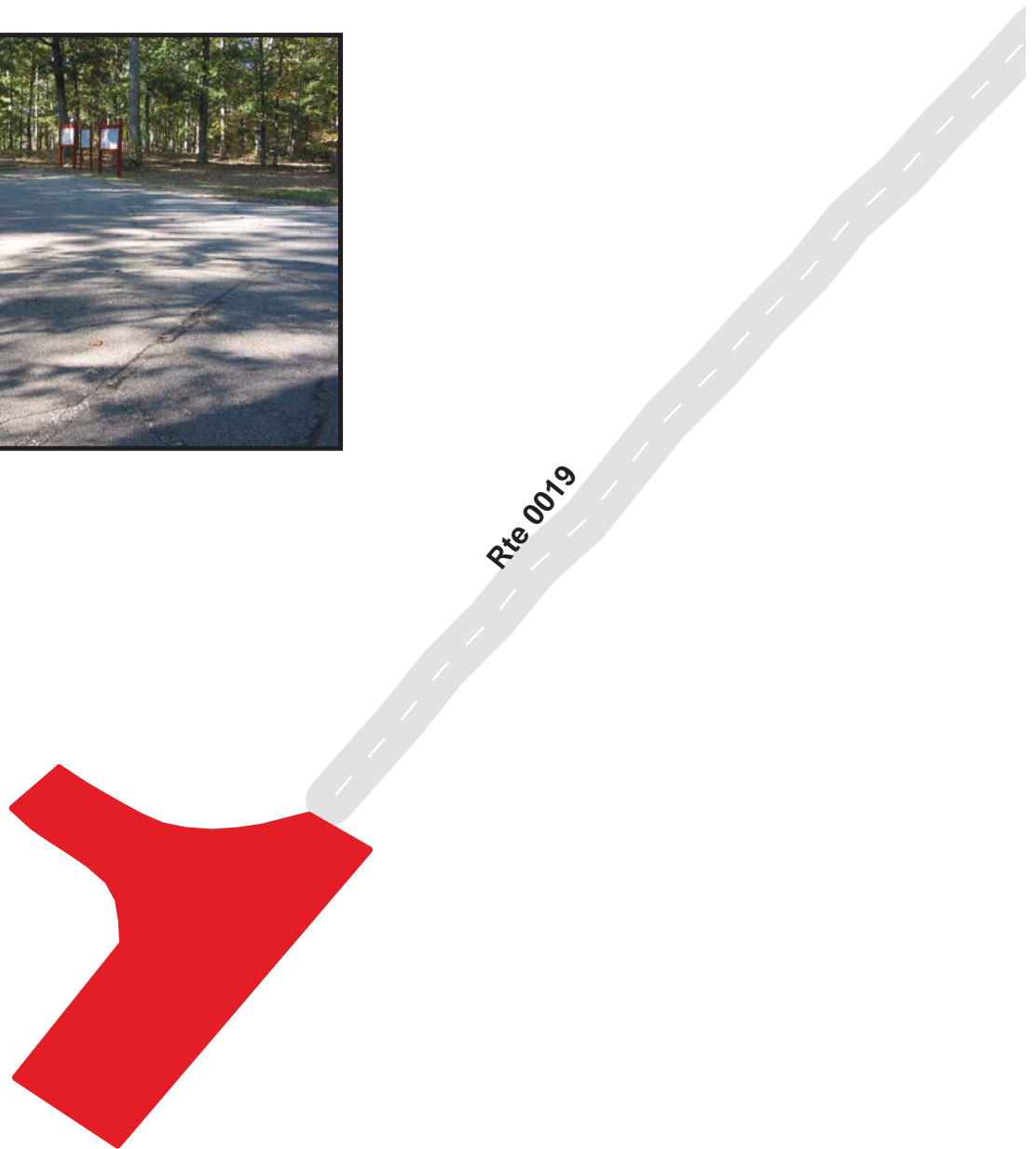
## Route 0913

Anderson Drive Parking

At End of Route 0019

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0913	Public	10/16/2003	3492	0.06	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



# Fredericksburg & Spotsylvania National Military Park

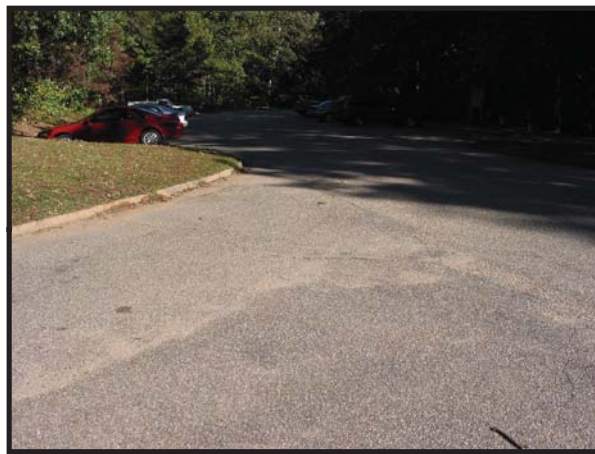
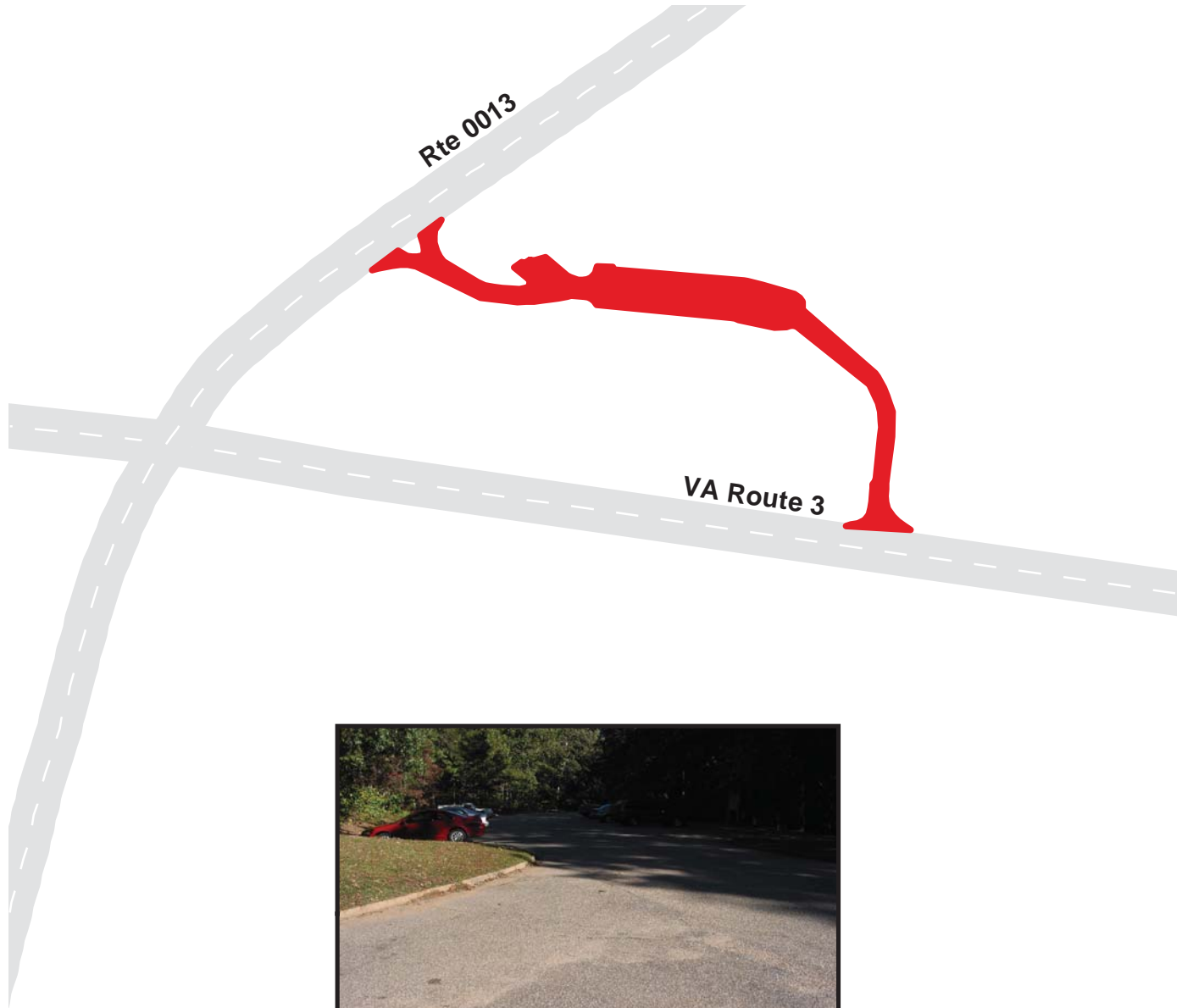
## Route 0914

Chancellorsville Visitor Center

From VA Route 3

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0914	Public	10/15/2003	32900	0.57	AS	POOR / 45

\* Lane miles are based on 11' lane widths



# Fredericksburg & Spotsylvania National Military Park

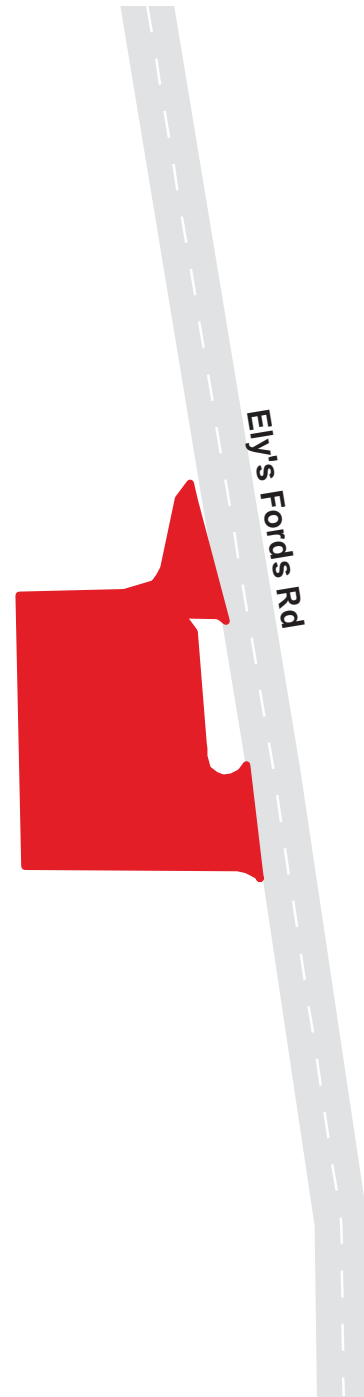
## Route 0915

CVC Battle Site Parking

From Ely's Fords Rd

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0915	Public	10/16/2003	6440	0.11	AS	GOOD / 90

\* Lane miles are based on 11' lane widths





# Fredericksburg & Spotsylvania National Military Park

## Route 0916

Wilderness Exhibit Shelter Parking

From VA Route 20

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0916	Public	10/15/2003	13391	0.23	NC	POOR / 45

\* Lane miles are based on 11' lane widths



# Fredericksburg & Spotsylvania National Military Park

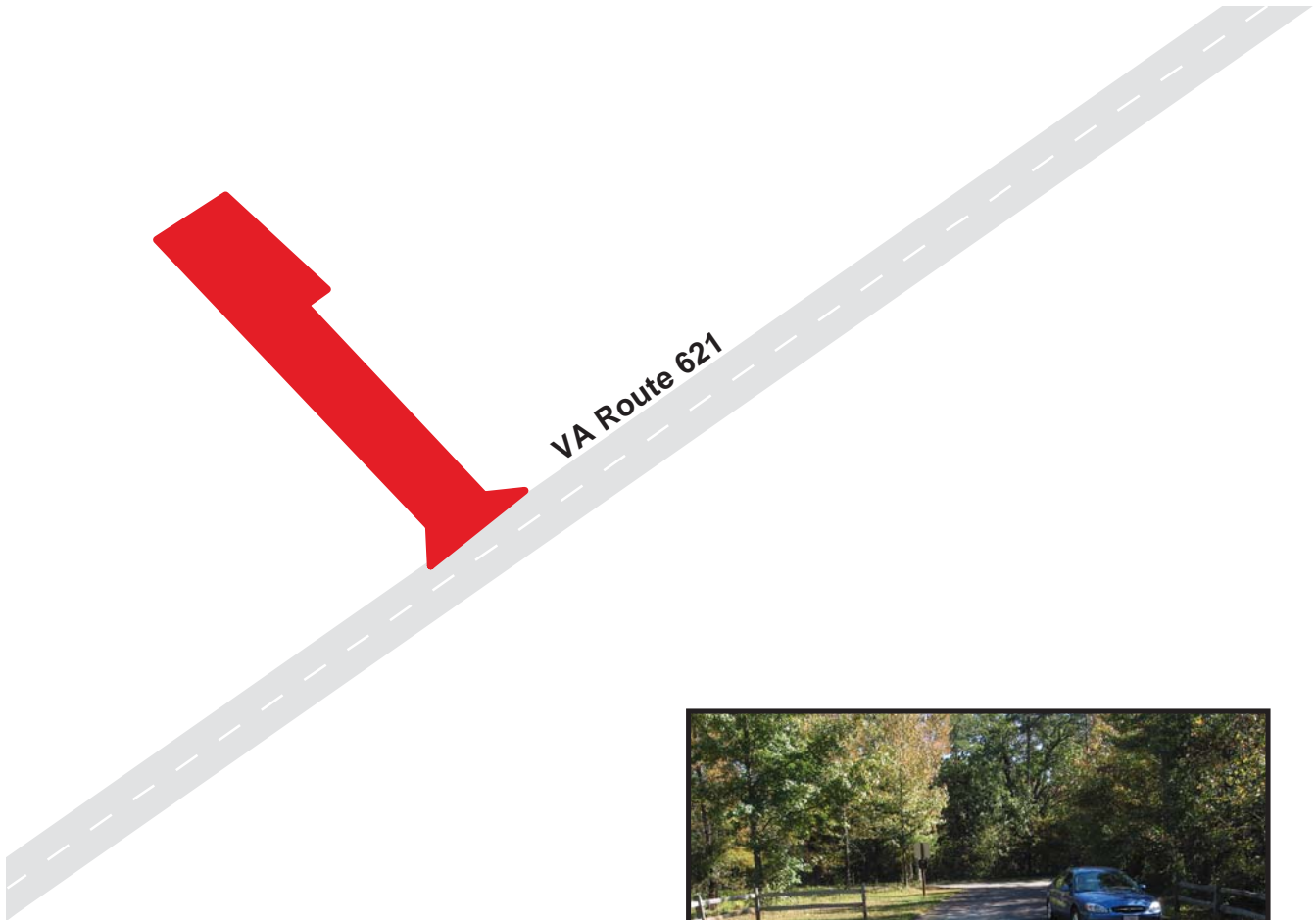
## Route 0917

Widow Tap Farm Parking

From VA Route 621

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0917	Public	10/15/2003	3575	0.06	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



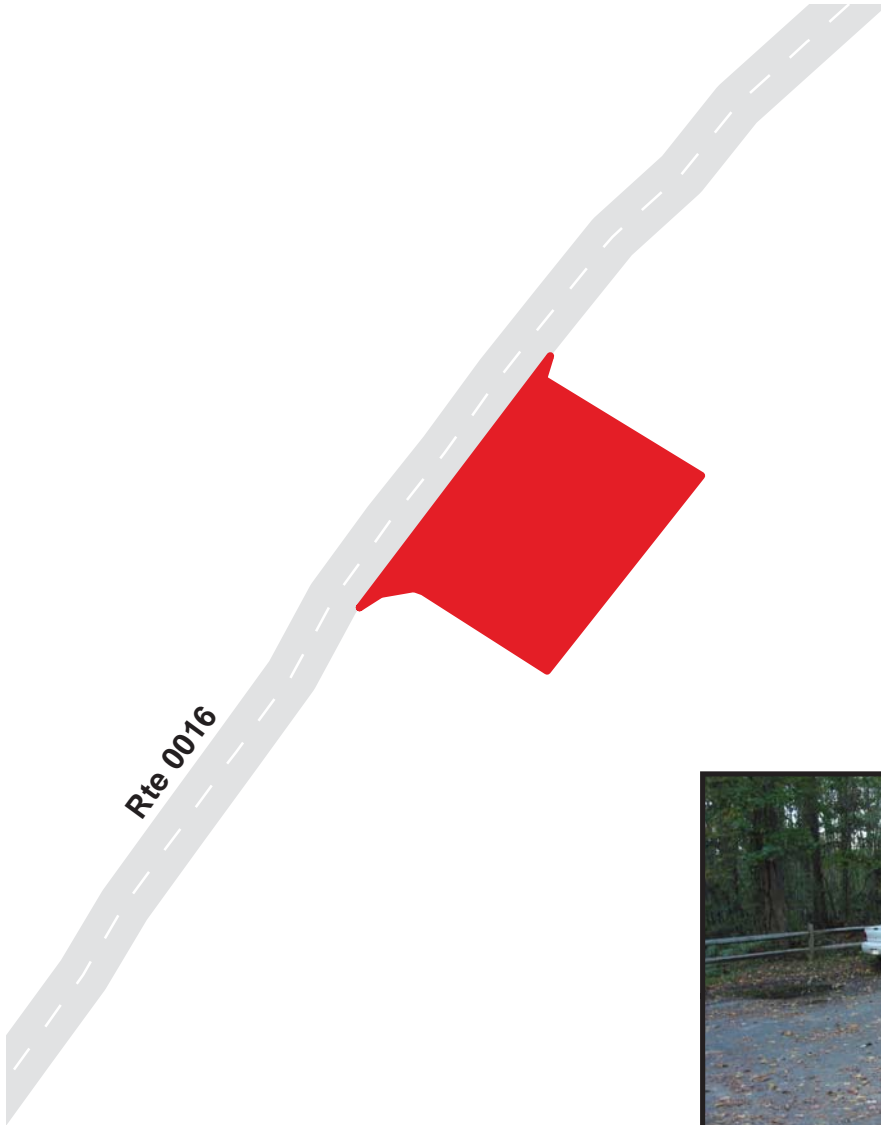
# Fredericksburg & Spotsylvania National Military Park

## Route 0920

Catharine Furnace Parking  
Adjacent to Route 0016, on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0920	Public	10/15/2003	1491	0.03	AS	POOR / 45

\* Lane miles are based on 11' lane widths





# Fredericksburg & Spotsylvania National Military Park

## Route 0921

Bloody Angle Parking 1

Adjacent to End of Route 0011 and Beginning of Route 0019

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0921	Public	10/16/2003	746	0.01	AS	FAIR / 73

\* Lane miles are based on 11' lane widths



# Fredericksburg & Spotsylvania National Military Park

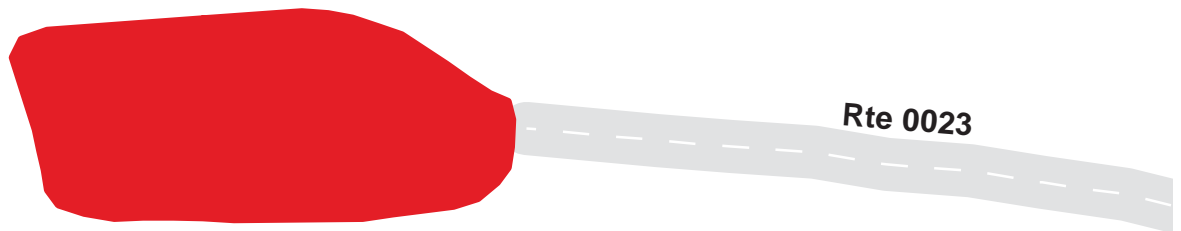
## Route 0922

Bloody Angle Parking 2

At End of Route 0023

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0922	Public	10/16/2003	3638	0.06	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Fredericksburg & Spotsylvania National Military Park

## Route 0923

Chewing Farm Parking

Adjacent to Route 0012 at MP 1.48 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0923	Public	10/15/2003	1387	0.02	AS	GOOD / 90

\* Lane miles are based on 11' lane widths





# Fredericksburg & Spotsylvania National Military Park

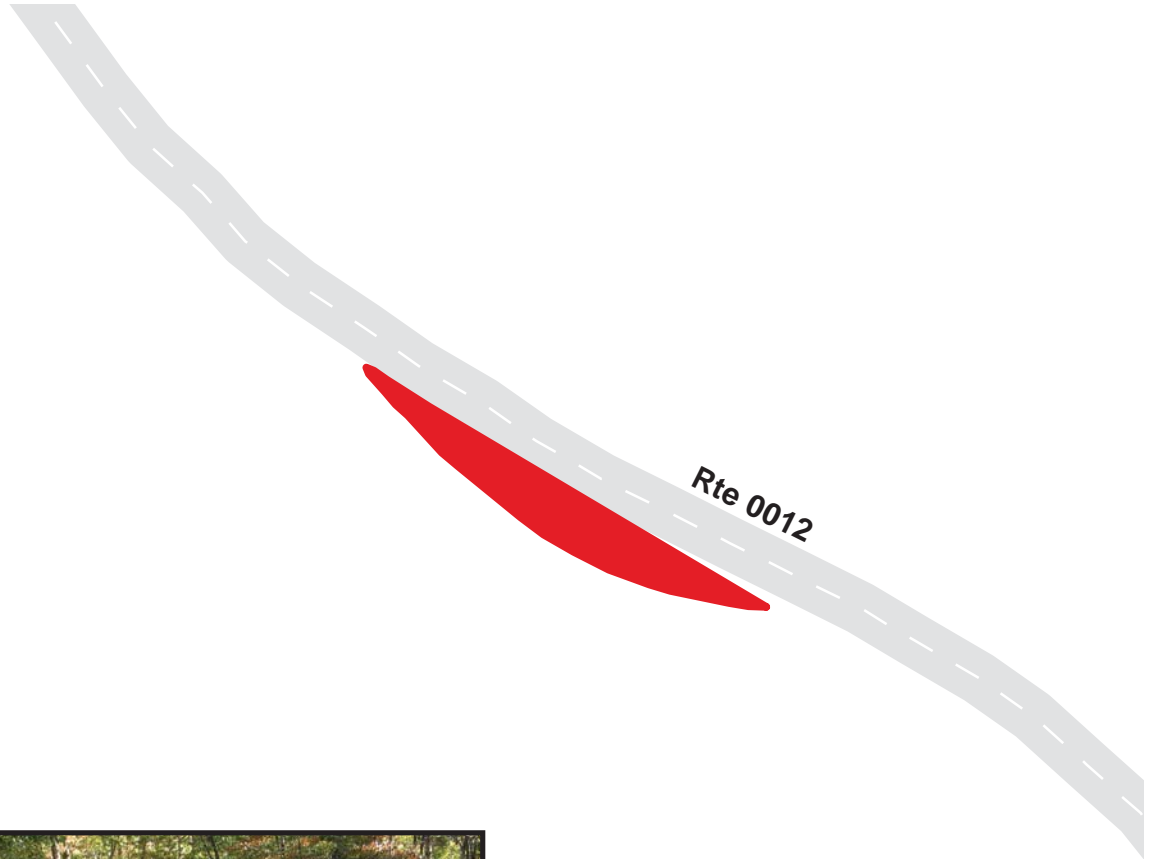
## Route 0924

Wadsworth's Division

Adjacent to Route 0012 at MP 2.38 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924	Public	10/15/2003	817	0.01	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Fredericksburg & Spotsylvania National Military Park

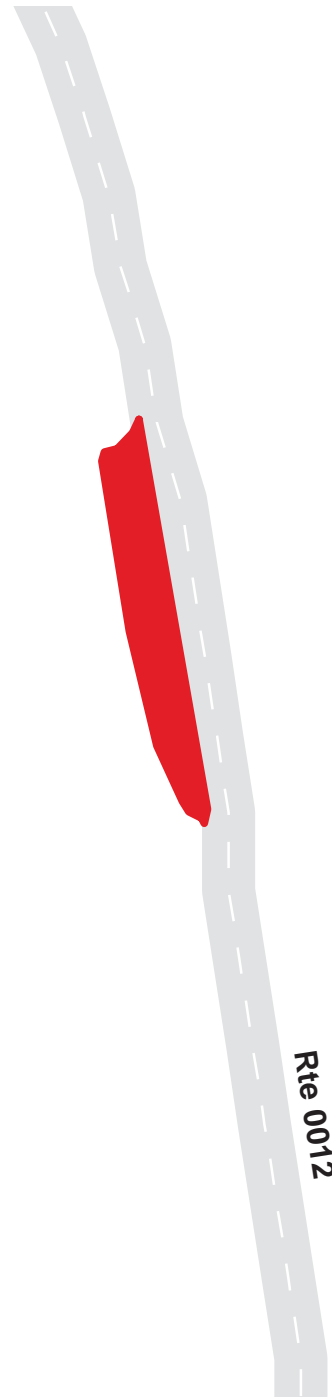
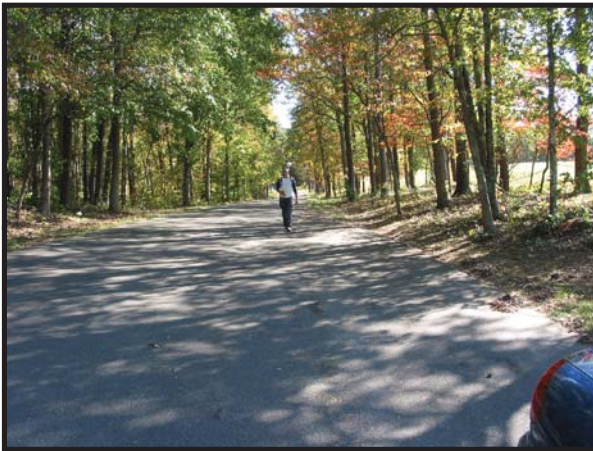
## Route 0925

Higgerson Farm

Adjacent to Route 0012 at MP 2.5 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0925	Public	10/15/2003	659	0.01	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



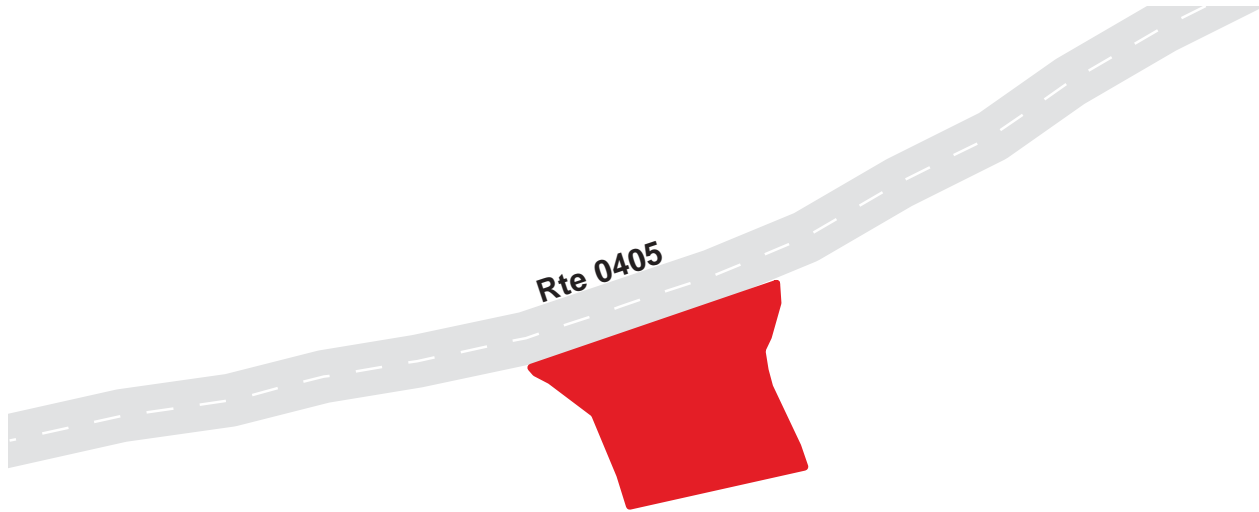
# Fredericksburg & Spotsylvania National Military Park

## Route 0927

Western Ranger Office Parking  
Adjacent to Route 0405 , on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0927	Public	10/15/2003	831	0.01	AS	GOOD / 90

\* Lane miles are based on 11' lane widths





# Fredericksburg & Spotsylvania National Military Park

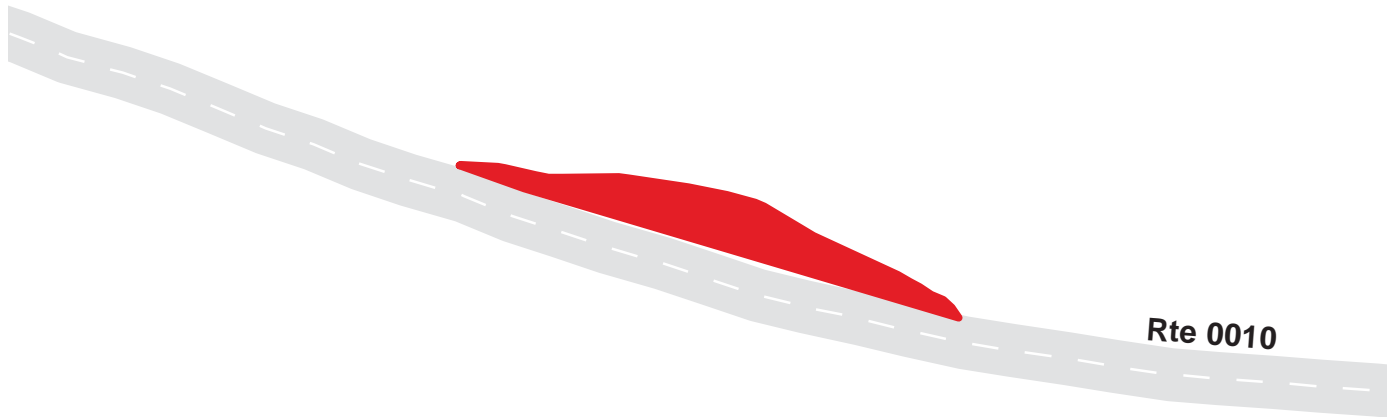
## Route 0931

Lee Drive Parking 4

Adjacent to Route 0010 at MP 4.13 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0931	Public	10/16/2003	1563	0.03	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Fredericksburg & Spotsylvania National Military Park

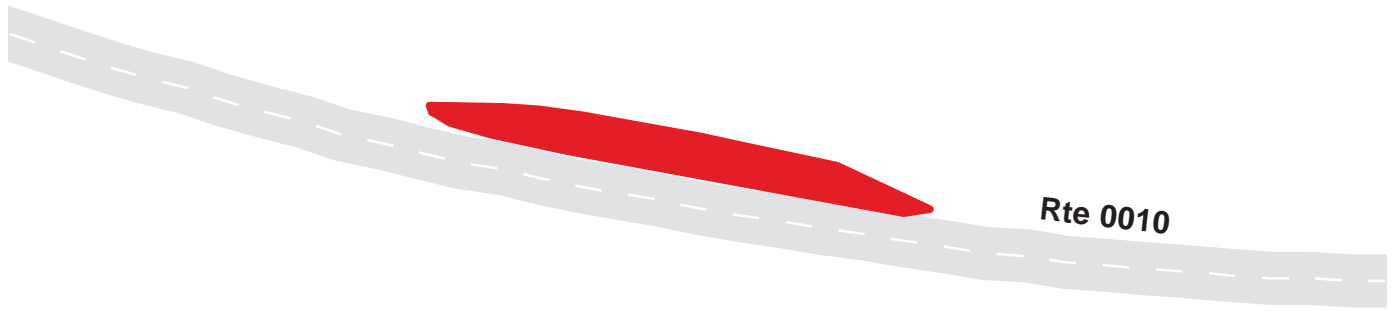
## Route 0932A

Lee Drive Parking 5A

Adjacent to Route 0010 at MP 3.20 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0932A	Public	10/16/2003	2481	0.04	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Fredericksburg & Spotsylvania National Military Park

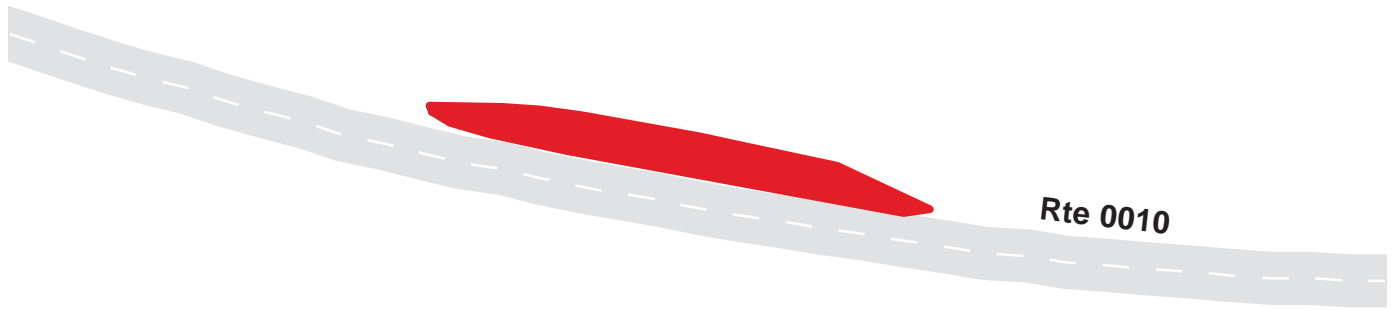
## Route 0932B

Lee Drive Parking 5B

Adjacent to Route 0010 at MP 3.20 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0932B	Public	10/16/2003	1982	0.03	AS	GOOD / 90

\* Lane miles are based on 11' lane widths





# Fredericksburg & Spotsylvania National Military Park

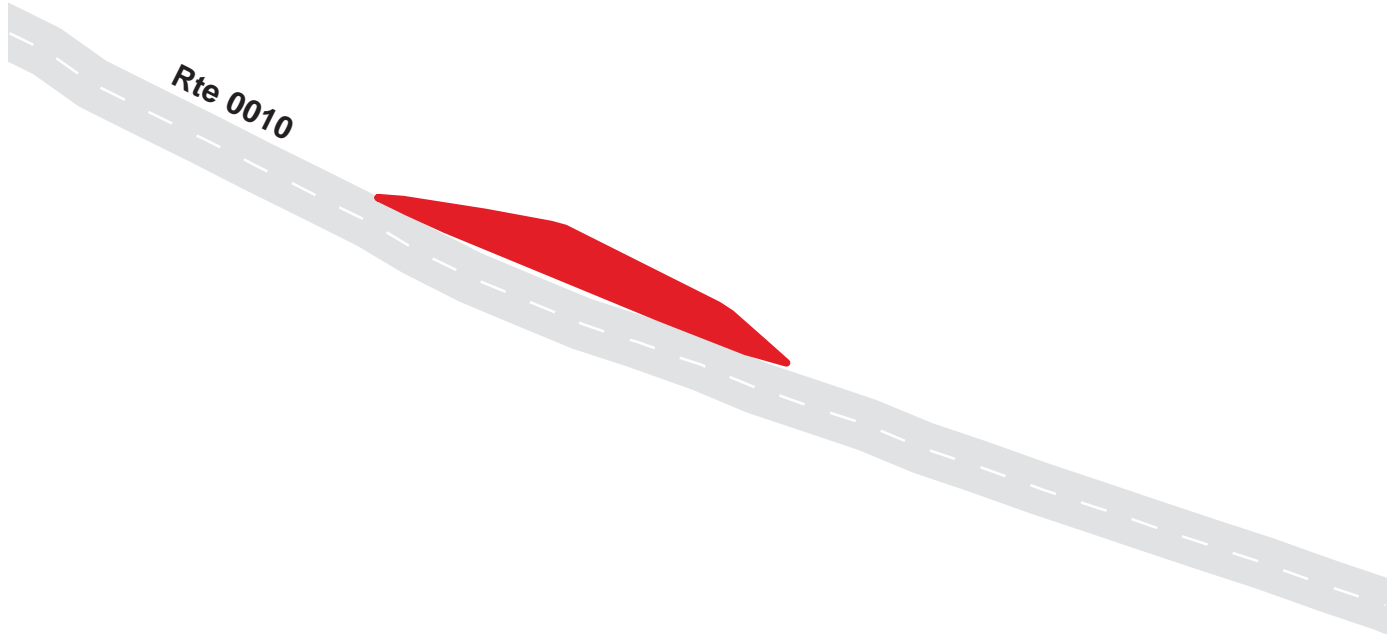
## Route 0933

Lee Drive Parking 6

Adjacent to Route 0010 at MP 2.60 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0933	Public	10/16/2003	952	0.02	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



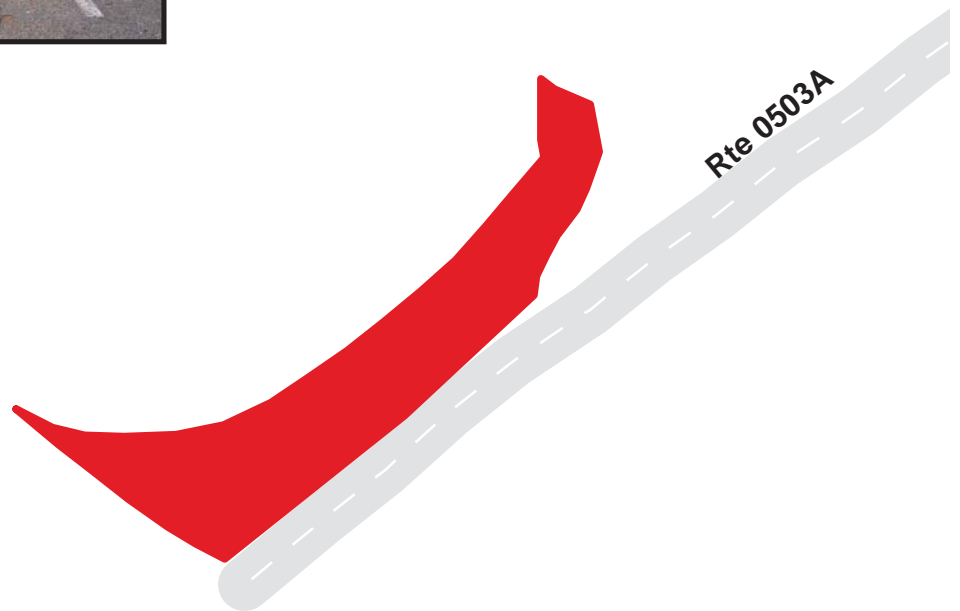
# Fredericksburg & Spotsylvania National Military Park

## Route 0934

Fire lane Parking  
Adjacent to Route 0503A

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0934	NonPublic	10/16/2003	2065	0.04	AS	GOOD / 90

\* Lane miles are based on 11' lane widths



# Fredericksburg & Spotsylvania National Military Park

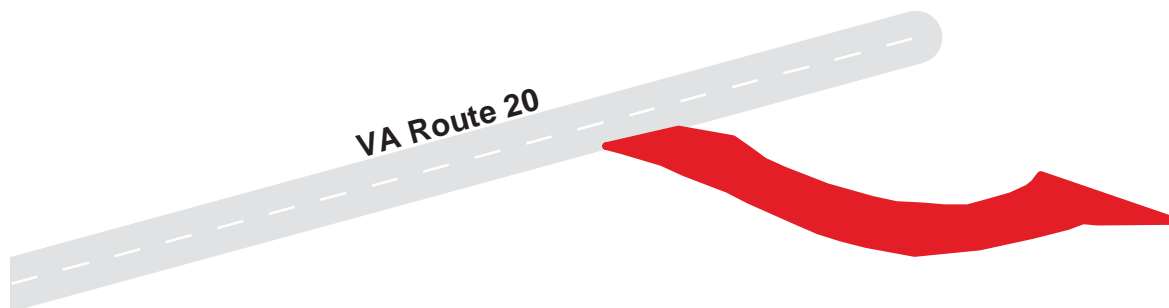
## Route 0935

Wilderness Tavern Parking

From VA Route 20

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0935	Public	10/16/2003	827	0.01	AS	EXCELLENT / 97

\* Lane miles are based on 11' lane widths





# ***FRSP: PARKWIDE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>PARK TOTAL</i></b>	<b><i>UNIT</i></b>
BRIDGE	3	EACH
CATTLE GUARD	0	EACH
CULVERT	127	EACH
CURB	523	LINEAR FEET
DROP INLET	12	EACH
GUARD WALL	0	LINEAR FEET
GUARDRAIL	0	LINEAR FEET
INTERSECTION	168	EACH
LOW WATER CROSSING	0	EACH
OVERHEAD SIGN	0	EACH
PARK BOUNDARY	0	EACH
PAVED DITCH	3,099	LINEAR FEET
PULLOUT	18	EACH
RAILROAD CROSSING	0	EACH
RETAINING WALL	0	EACH
STATE BOUNDARY	0	EACH
TRAFFIC LIGHT	0	EACH
TUNNEL	0	EACH
TURNOUT	0	LINEAR FEET

# FRSP: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0010 LEE DRIVE</i>	<i>ROUTE 0011 GRANT DR</i>	<i>ROUTE 0012 HILL-EWELL DRIVE</i>	<i>ROUTE 0013 MCLAWS-FURNACE-SICKLES-STUART-BULLOCK DR</i>	<i>ROUTE 0014 HOOKER DRIVE</i>	<i>ROUTE 0015 BERRY - PAXTON DR</i>	<i>UNIT</i>
BRIDGE	0	0	1	2	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	31	5	23	24	2	2	EACH
CURB	216	0	0	306	0	0	LINEAR FEET
DROP INLET	3	0	0	2	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	18	9	13	26	6	5	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	1,653	0	554	892	0	0	LINEAR FEET
PULLOUT	5	0	2	10	0	1	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	0	0	0	LINEAR FEET

# **FRSP: ROUTE MAINTENANCE FEATURES SUMMARY**

<b>FEATURE</b>	<b>ROUTE 0016 JACKSON TRAIL EAST</b>	<b>ROUTE 0018 SLOCUM DR</b>	<b>ROUTE 0019 ANDERSON DRIVE</b>	<b>ROUTE 0020 GORDON DRIVE</b>	<b>ROUTE 0022 BURNSIDE DRIVE</b>	<b>ROUTE 0023 BLOODY ANGLE DRIVE</b>	<b>UNIT</b>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	12	0	4	3	10	2	EACH
CURB	0	0	0	0	0	0	LINEAR FEET
DROP INLET	2	0	0	0	1	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	17	5	4	8	8	6	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	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	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	0	0	0	LINEAR FEET



# FRSP: ROUTE MAINTENANCE FEATURES SUMMARY

<i>FEATURE</i>	<i>ROUTE 0402A QUARTERS 2 ACCESS ROAD</i>	<i>ROUTE 0402B QUARTERS 2 ACCESS ROAD SPUR</i>	<i>ROUTE 0403 RANGER HEADQUARTERS ACCESS RD</i>	<i>ROUTE 0405 RANGER LANE</i>	<i>ROUTE 0500 CHATHAM LANE</i>	<i>ROUTE 0503A WILLIS HILL ROAD</i>	<i>UNIT</i>
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	2	0	0	0	7	0	EACH
CURB	0	0	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	4	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	6	0	6	4	13	6	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	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	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	0	0	0	LINEAR FEET

# ***FRSP: ROUTE MAINTENANCE FEATURES SUMMARY***

<b><i>FEATURE</i></b>	<b><i>ROUTE 0503B WILLIS HILL ROAD SPUR</i></b>	<b><i>ROUTE 5409 BROMPTON ACCESS ROAD</i></b>	<b><i>UNIT</i></b>
BRIDGE	0	0	EACH
CATTLE GUARD	0	0	EACH
CULVERT	0	0	EACH
CURB	0	0	LINEAR FEET
DROP INLET	0	0	EACH
GUARD WALL	0	0	LINEAR FEET
GUARDRAIL	0	0	LINEAR FEET
INTERSECTION	6	2	EACH
LOW WATER CROSSING	0	0	EACH
OVERHEAD SIGN	0	0	EACH
PARK BOUNDARY	0	0	EACH
PAVED DITCH	0	0	LINEAR FEET
PULLOUT	0	0	EACH
RAILROAD CROSSING	0	0	EACH
RETAINING WALL	0	0	EACH
STATE BOUNDARY	0	0	EACH
TRAFFIC LIGHT	0	0	EACH
TUNNEL	0	0	EACH
TURNOUT	0	0	LINEAR FEET

# FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG

## ROUTE 0010 : LEE DRIVE

<i>FROM MILEPOST</i>	<i>TO MILEPOST</i>	<i>FEATURE</i>	<i>SIDE</i>	<i>COMMENT</i>
0.000	0.000			ROUTE BEGINS AT US ROUTE 1
0.012	0.012	INTERSECTION	RIGHT	US ROUTE 1
0.014	0.014	INTERSECTION	LEFT	US ROUTE 1
0.017	0.017	DROP INLET	RIGHT	
0.030	0.030	CULVERT	N/A	
0.056	0.056	INTERSECTION	LEFT	RTE 010 SPUR
0.057	0.057	INTERSECTION	RIGHT	RTE 010 SPUR
0.078	0.078	DROP INLET	RIGHT	
0.078	0.176	PAVED DITCH	RIGHT	
0.178	0.178	DROP INLET	RIGHT	
0.179	0.220	CURB	RIGHT	
0.196	0.196	INTERSECTION	RIGHT	RTE 905
0.214	0.214	CULVERT	N/A	
0.354	0.354	CULVERT	N/A	
0.369	0.369	INTERSECTION	LEFT	LOCAL ROUTE
0.387	0.387	CULVERT	N/A	
0.390	0.463	PAVED DITCH	RIGHT	
0.476	0.476	INTERSECTION	LEFT	DRIVEWAY
0.492	0.492	CULVERT	N/A	
0.591	0.591	CULVERT	N/A	
0.697	0.697	INTERSECTION	RIGHT	RTE 906
0.728	0.843	PAVED DITCH	RIGHT	
0.790	0.790	CULVERT	N/A	
0.863	0.863	INTERSECTION	RIGHT	ROUTE 403
0.931	0.931	CULVERT	N/A	
1.106	1.106	CULVERT	N/A	
1.211	1.211	CULVERT	N/A	

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0010 : LEE DRIVE***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
1.388	1.388	CULVERT	N/A	
1.494	1.494	CULVERT	N/A	
1.504	1.504	INTERSECTION	LEFT	ROUTE 910
1.511	1.533	PULLOUT	RIGHT	
1.516	1.529	PULLOUT	LEFT	
1.731	1.731	CULVERT	N/A	
1.966	1.966	CULVERT	N/A	
2.163	2.163	CULVERT	N/A	
2.304	2.304	CULVERT	N/A	
2.470	2.470	CULVERT	N/A	
2.559	2.559	CULVERT	N/A	
2.597	2.597	INTERSECTION	LEFT	SR 638
2.598	2.598	INTERSECTION	RIGHT	SR 638
2.604	2.619	PULLOUT	RIGHT	
2.616	2.616	INTERSECTION	LEFT	ROUTE 933
2.767	2.767	CULVERT	N/A	
2.880	2.880	CULVERT	N/A	
3.068	3.068	CULVERT	N/A	
3.130	3.157	PAVED DITCH	RIGHT	
3.172	3.172	CULVERT	N/A	
3.201	3.201	INTERSECTION	LEFT	ROUTE 932A
3.201	3.201	INTERSECTION	RIGHT	ROUTE 932B
3.235	3.235	CULVERT	N/A	
3.319	3.319	CULVERT	N/A	
3.409	3.409	CULVERT	N/A	
3.486	3.486	CULVERT	N/A	
3.613	3.613	CULVERT	N/A	



## ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

***ROUTE 0010 : LEE DRIVE***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
3.799	3.799	CULVERT	N/A	
4.012	4.012	CULVERT	N/A	
4.131	4.131	INTERSECTION	LEFT	RTE 931
4.135	4.150	PULLOUT	RIGHT	
4.196	4.196	CULVERT	N/A	
4.395	4.395	CULVERT	N/A	
4.473	4.492	PULLOUT	LEFT	
4.653	4.653	INTERSECTION	RIGHT	RTE 907
4.689	4.689	INTERSECTION	RIGHT	RTE 907
4.690	4.690			ROUTE ENDS AT END JUST PAST ROUTE 0907

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0011 : GRANT DR***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ADJACENT TO VA ROUTE 613
0.006	0.006	INTERSECTION	RIGHT	VA ROUTE 613
0.010	0.010	INTERSECTION	LEFT	VA ROUTE 613
0.045	0.045	INTERSECTION	LEFT	DRIVEWAY
0.090	0.090	INTERSECTION	LEFT	RTE 912
0.123	0.123	INTERSECTION	LEFT	RTE 912
0.126	0.126	CULVERT	N/A	
0.459	0.459	CULVERT	N/A	
0.637	0.637	CULVERT	N/A	
0.741	0.741	CULVERT	N/A	
0.928	0.928	CULVERT	N/A	
1.008	1.008	INTERSECTION	LEFT	RTE 301
1.023	1.023	INTERSECTION	LEFT	RTE 930
1.058	1.058	INTERSECTION	RIGHT	RTE 019 (ANDERSON DR)
1.060	1.060			ROUTE ENDS AT ROUTE 0019 (ANDERSON DR)
1.060	1.060	INTERSECTION	LEFT	RTE 019 (ANDERSON DR)

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0012 : HILL-EWELL DRIVE***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT VA ROUTE 621 (ORANGE PLANK ROAD)
0.007	0.007	INTERSECTION	RIGHT	VA ROUTE 621 (ORANGE PLANK ROAD)
0.008	0.008	INTERSECTION	LEFT	VA ROUTE 621 (ORANGE PLANK ROAD)
0.383	0.383	CULVERT	N/A	
0.492	0.533	PAVED DITCH	RIGHT	
0.530	0.530	CULVERT	N/A	
0.577	0.577	CULVERT	N/A	
0.683	0.683	CULVERT	N/A	
0.780	0.780	CULVERT	N/A	
1.025	1.025	CULVERT	N/A	
1.122	1.122	CULVERT	N/A	
1.301	1.301	CULVERT	N/A	
1.341	1.341	CULVERT	N/A	
1.444	1.444	CULVERT	N/A	
1.474	1.474	INTERSECTION	LEFT	RTE 923
1.496	1.496	INTERSECTION	LEFT	DRIVEWAY
1.522	1.522	INTERSECTION	LEFT	DRIVEWAY
1.658	1.658	CULVERT	N/A	
1.699	1.699	CULVERT	N/A	
1.747	1.747	CULVERT	N/A	
1.812	1.812	CULVERT	N/A	
1.885	1.885	INTERSECTION	LEFT	DRIVEWAY
1.976	1.991	BRIDGE	N/A	
2.144	2.144	CULVERT	N/A	
2.215	2.215	INTERSECTION	RIGHT	LEE DRIVE
2.277	2.277	CULVERT	N/A	

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0012 : HILL-EWELL DRIVE***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
2.366	2.366	INTERSECTION	LEFT	RTE 924
2.398	2.398	INTERSECTION	LEFT	GENERAL JENKINS DRIVE
2.477	2.477	CULVERT	N/A	
2.534	2.534	INTERSECTION	LEFT	RTE 925
2.636	2.636	CULVERT	N/A	
2.671	2.671	CULVERT	N/A	
2.710	2.774	PAVED DITCH	RIGHT	
2.713	2.713	INTERSECTION	RIGHT	RTE 926
2.852	2.852	CULVERT	N/A	
2.937	2.937	CULVERT	N/A	
3.000	3.000	CULVERT	N/A	
3.265	3.265	CULVERT	N/A	
3.324	3.346	PULLOUT	LEFT	
3.326	3.342	PULLOUT	RIGHT	
3.353	3.353	INTERSECTION	RIGHT	VA ROUTE 20
3.360	3.360			ROUTE ENDS AT VA ROUTE 20
3.360	3.360	INTERSECTION	LEFT	VA ROUTE 20



# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0013 : MCLAWS-FURNACE-SICKLES-STUART-BULLOCK DR***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT VA ROUTE 3
0.006	0.006	INTERSECTION	RIGHT	VA ROUTE 3
0.007	0.007	INTERSECTION	LEFT	VA ROUTE 3
0.017	0.017	INTERSECTION	LEFT	
0.094	0.105	PULLOUT	RIGHT	
0.142	0.142	INTERSECTION	LEFT	DRIVEWAY
0.203	0.203	CULVERT	N/A	
0.294	0.294	INTERSECTION	RIGHT	FIELD ACCESS
0.302	0.302	INTERSECTION	LEFT	MCLAWS PLACE
0.437	0.437	CULVERT	N/A	
0.524	0.524	INTERSECTION	LEFT	DRIVEWAY
0.556	0.556	CULVERT	N/A	
0.702	0.709	PULLOUT	RIGHT	
0.724	0.724	INTERSECTION	LEFT	SR 810
0.737	0.737	INTERSECTION	RIGHT	SR 810
0.798	0.798	INTERSECTION	LEFT	OLD VIRGINIA DRIVE
0.816	0.837	PULLOUT	RIGHT	
1.133	1.133	CULVERT	N/A	
1.529	1.549	PULLOUT	RIGHT	
1.532	1.561	CURB	RIGHT	
1.553	1.553	INTERSECTION	RIGHT	
1.558	1.574	PULLOUT	RIGHT	
1.690	1.690	CULVERT	N/A	
1.796	1.965	PAVED DITCH	LEFT	
1.797	1.797	CULVERT	N/A	
1.807	1.807	DROP INLET	LEFT	
1.881	1.881	DROP INLET	LEFT	

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0013 : MCLAWS-FURNACE-SICKLES-STUART-BULLOCK DR***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
1.903	1.917	PULLOUT	RIGHT	
1.992	1.992	CULVERT	N/A	
2.051	2.066	BRIDGE	N/A	
2.107	2.107	INTERSECTION	LEFT	RTE 016
2.161	2.161	INTERSECTION	LEFT	RTE 016
2.190	2.190	CULVERT	N/A	
2.253	2.253	CULVERT	N/A	
2.420	2.420	CULVERT	N/A	
2.540	2.555	BRIDGE	N/A	
2.572	2.572	CULVERT	N/A	
2.689	2.689	CULVERT	N/A	
2.811	2.811	CULVERT	N/A	
2.829	2.829	CULVERT	N/A	
2.916	2.916	CULVERT	N/A	
2.956	2.956	INTERSECTION	RIGHT	RTE 018
2.970	2.970	CULVERT	N/A	
3.000	3.000	INTERSECTION	RIGHT	RTE 018
3.114	3.114	CULVERT	N/A	
3.150	3.150	INTERSECTION	RIGHT	RTE 015
3.198	3.198	CULVERT	N/A	
3.199	3.199	INTERSECTION	RIGHT	RTE 015
3.306	3.335	CURB	LEFT	
3.306	3.341	PULLOUT	LEFT	
3.309	3.309	CULVERT	N/A	
3.512	3.512	CULVERT	N/A	
3.655	3.673	PULLOUT	LEFT	
3.780	3.780	INTERSECTION	LEFT	SR 3 EAST BOUND

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0013 : MCLAWS-FURNACE-SICKLES-STUART-BULLOCK DR***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
3.786	3.786	INTERSECTION	RIGHT	SR 3 EAST BOUND
3.792	3.792	INTERSECTION	LEFT	SR 3 WEST BOUND
3.794	3.794	INTERSECTION	RIGHT	SR 3 WEST BOUND
3.840	3.840	CULVERT	N/A	
3.873	3.873	INTERSECTION	RIGHT	RTE 914
3.886	3.886	INTERSECTION	RIGHT	RTE 914
4.069	4.069	INTERSECTION	LEFT	RTE 405
4.134	4.147	PULLOUT	RIGHT	
4.238	4.238	CULVERT	N/A	
4.329	4.329	CULVERT	N/A	
4.451	4.451	CULVERT	N/A	
4.629	4.658	PULLOUT	RIGHT	
4.698	4.698	INTERSECTION	LEFT	VA ROUTE 618 (ELY'S FORD RD)
4.699	4.699	INTERSECTION	RIGHT	VA ROUTE 618 (ELY'S FORD RD)
4.700	4.700			ROUTE ENDS AT VA ROUTE 618 (ELY'S FORD RD)

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0014 : HOOKER DRIVE***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT VA ROUTE 618
0.009	0.009	INTERSECTION	RIGHT	VA ROUTE 618
0.011	0.011	INTERSECTION	LEFT	VA ROUTE 618
0.058	0.058	INTERSECTION	RIGHT	RTE 928
0.147	0.147	INTERSECTION	LEFT	
0.199	0.199	CULVERT	N/A	
0.305	0.305	CULVERT	N/A	
0.522	0.522	INTERSECTION	LEFT	VA ROUTE 3
0.523	0.523	INTERSECTION	RIGHT	VA ROUTE 3
0.530	0.530			ROUTE ENDS AT VA ROUTE 3



# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0015 : BERRY - PAXTON DR***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0013 AT MP 31 ON RIGHT
0.011	0.011	INTERSECTION	RIGHT	RTE 013
0.013	0.013	INTERSECTION	LEFT	RTE 013
0.024	0.024	INTERSECTION	LEFT	RTE 015 SPUR
0.050	0.050	CULVERT	N/A	
0.188	0.188	INTERSECTION	LEFT	
0.209	0.209	CULVERT	N/A	
0.424	0.442	PULLOUT	RIGHT	
0.450	0.450			ROUTE ENDS AT END
0.450	0.450	INTERSECTION	RIGHT	

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0016 : JACKSON TRAIL EAST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 013
0.007	0.007	INTERSECTION	LEFT	RTE 013
0.010	0.010	INTERSECTION	RIGHT	RTE 013
0.048	0.048	INTERSECTION	RIGHT	RTE 016 SPUR
0.054	0.054	CULVERT	N/A	
0.074	0.074	INTERSECTION	LEFT	RTE 920
0.132	0.132	CULVERT	N/A	
0.254	0.254	CULVERT	N/A	
0.357	0.357	CULVERT	N/A	
0.565	0.565	CULVERT	N/A	
0.574	0.574	CULVERT	N/A	
0.661	0.661	INTERSECTION	LEFT	
0.857	0.857	INTERSECTION	LEFT	
0.857	0.857	INTERSECTION	RIGHT	
0.924	0.924	DROP INLET	LEFT	
0.926	0.926	CULVERT	N/A	
0.967	0.967	CULVERT	N/A	
0.968	0.968	DROP INLET	LEFT	
1.348	1.348	INTERSECTION	LEFT	
1.534	1.534	INTERSECTION	LEFT	
1.610	1.610	CULVERT	N/A	
1.726	1.726	INTERSECTION	LEFT	
1.763	1.763	INTERSECTION	RIGHT	
1.800	1.800	CULVERT	N/A	
2.056	2.056	INTERSECTION	LEFT	
2.133	2.133	CULVERT	N/A	
2.419	2.419	INTERSECTION	LEFT	

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0016 : JACKSON TRAIL EAST***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
2.456	2.456	INTERSECTION	RIGHT	
2.594	2.594	CULVERT	N/A	
2.609	2.609	INTERSECTION	LEFT	
2.860	2.860			ROUTE ENDS AT VA 613
2.862	2.862	INTERSECTION	LEFT	VA 613
2.862	2.862	INTERSECTION	RIGHT	VA 613

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0018 : SLOCUM DR***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0013 AT MP 29 ON RIGHT
0.007	0.007	INTERSECTION	LEFT	RTE 013
0.007	0.007	INTERSECTION	RIGHT	RTE 013
0.046	0.046	INTERSECTION	LEFT	RTE 018 SPUR
0.799	0.799	INTERSECTION	RIGHT	VA ROUTE 610
0.800	0.800			ROUTE ENDS AT VA ROUTE 610
0.800	0.800	INTERSECTION	LEFT	VA ROUTE 610



# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0019 : ANDERSON DRIVE***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT END OF ROUTE 0011
0.007	0.007	INTERSECTION	RIGHT	RTE 011
0.020	0.020	CULVERT	N/A	
0.393	0.393	CULVERT	N/A	
0.407	0.407	INTERSECTION	LEFT	RTE 020 SPUR
0.467	0.467	INTERSECTION	LEFT	RTE 020 SPUR
0.491	0.491	CULVERT	N/A	
0.622	0.622	CULVERT	N/A	
0.736	0.736	INTERSECTION	RIGHT	RTE 913
0.740	0.740			ROUTE ENDS AT ROUTE 0913

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0020 : GORDON DRIVE***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0019
0.007	0.007	INTERSECTION	LEFT	RTE 019
0.010	0.010	INTERSECTION	RIGHT	RTE 019
0.043	0.043	INTERSECTION	LEFT	RTE 020 SPUR
0.044	0.044	INTERSECTION	RIGHT	
0.120	0.120	INTERSECTION	LEFT	RTE 300
0.397	0.397	CULVERT	N/A	
0.474	0.474	CULVERT	N/A	
0.531	0.531	CULVERT	N/A	
0.691	0.691	INTERSECTION	LEFT	RTE 020 SPUR
0.694	0.694	INTERSECTION	LEFT	RTE 022
0.700	0.700			ROUTE ENDS AT ROUTE 0022
0.702	0.702	INTERSECTION	RIGHT	RTE 022

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0022 : BURNSIDE DRIVE***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0023 AND ROUTE 0020
0.008	0.008	INTERSECTION	LEFT	RTE 023 AND RTE 020
0.008	0.008	INTERSECTION	RIGHT	RTE 023 AND RTE 020
0.097	0.097	INTERSECTION	LEFT	
0.348	0.348	CULVERT	N/A	
0.436	0.436	INTERSECTION	RIGHT	NEW CONSTRUCTION
0.485	0.485	CULVERT	N/A	
0.576	0.576	CULVERT	N/A	
0.652	0.652	CULVERT	N/A	
0.688	0.688	CULVERT	N/A	
0.758	0.758	CULVERT	N/A	
0.963	0.963	CULVERT	N/A	
1.062	1.062	CULVERT	N/A	
1.137	1.137	INTERSECTION	LEFT	DRIVEWAY
1.141	1.141	CULVERT	N/A	
1.295	1.295	CULVERT	N/A	
1.406	1.406	INTERSECTION	LEFT	RTE 022 SPUR
1.414	1.414	INTERSECTION	LEFT	VA ROUTE 208
1.415	1.415	DROP INLET	LEFT	
1.420	1.420			ROUTE ENDS AT VA ROUTE 208
1.421	1.421	INTERSECTION	RIGHT	VA ROUTE 208

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0023 : BLOODY ANGLE DRIVE***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0022 AND ROUTE 0020
0.006	0.006	INTERSECTION	RIGHT	RTE 022 AND RTE 020
0.007	0.007	INTERSECTION	LEFT	RTE 022 AND RTE 020
0.018	0.018	INTERSECTION	LEFT	RTE 020 SPUR
0.158	0.158	CULVERT	N/A	
0.235	0.235	CULVERT	N/A	
0.283	0.283	INTERSECTION	RIGHT	RTE 922
0.351	0.351	INTERSECTION	LEFT	RTE 922
0.351	0.351	INTERSECTION	RIGHT	RTE 922
0.360	0.360			ROUTE ENDS AT ROUTE 0922



# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0402A : QUARTERS 2 ACCESS ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0403 AT MP 002 ON RIGHT
0.008	0.008	CULVERT	N/A	
0.010	0.010	INTERSECTION	RIGHT	RTE 403
0.011	0.011	INTERSECTION	LEFT	RTE 403
0.052	0.052	INTERSECTION	RIGHT	RTE 402B
0.062	0.062	INTERSECTION	LEFT	RTE 402A
0.084	0.084	CULVERT	N/A	
0.090	0.090			ROUTE ENDS AT END OF LOOP
0.091	0.091	INTERSECTION	LEFT	END OF LOOP
0.092	0.092	INTERSECTION	RIGHT	END OF LOOP

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0402B : QUARTERS 2 ACCESS ROAD SPUR***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
NO MAINTENANCE FEATURES IN ROUTE.				
0.000	0.000			ROUTE BEGINS AT ADJACENT TO ROUTE 0402A AT MP 004 ON RIGHT
0.000	0.000			ROUTE ENDS AT N/A

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0403 : RANGER HEADQUARTERS ACCESS RD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ROUTE 0010 TO ROUTE 908
0.008	0.008	INTERSECTION	LEFT	RTE 010
0.012	0.012	INTERSECTION	RIGHT	RTE 402A
0.050	0.050	INTERSECTION	LEFT	RTE 908B
0.066	0.066	INTERSECTION	LEFT	RTE 927
0.085	0.085	INTERSECTION	LEFT	RTE 908
0.086	0.086	INTERSECTION	RIGHT	RTE 908
0.090	0.090			ROUTE ENDS AT N/A

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

***ROUTE 0405 : RANGER LANE***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ADJACENT TO ROUTE 0013 ON RIGHT
0.006	0.006	INTERSECTION	LEFT	RTE 013
0.007	0.007	INTERSECTION	RIGHT	RTE 013
0.020	0.020	INTERSECTION	RIGHT	
0.090	0.090	INTERSECTION	LEFT	
0.110	0.110			ROUTE ENDS AT END OF ROUTE



# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0500 : CHATHAM LANE***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT CHATHAM HEIGHTS ROAD
0.006	0.006	INTERSECTION	LEFT	CHATHAM HEIGHTS ROAD
0.006	0.006	INTERSECTION	RIGHT	CHATHAM HEIGHTS ROAD
0.011	0.011	DROP INLET	RIGHT	
0.059	0.059	INTERSECTION	LEFT	DRIVEWAY
0.082	0.082	INTERSECTION	RIGHT	PRATT STREET
0.091	0.091	CULVERT	N/A	
0.124	0.124	INTERSECTION	LEFT	DRIVEWAY
0.179	0.179	INTERSECTION	RIGHT	
0.194	0.194	INTERSECTION	RIGHT	DRIVEWAY
0.196	0.196	CULVERT	N/A	
0.204	0.204	INTERSECTION	LEFT	RTE 903
0.220	0.220	INTERSECTION	RIGHT	RTE 902
0.279	0.279	INTERSECTION	RIGHT	
0.363	0.363	CULVERT	N/A	
0.386	0.386	INTERSECTION	LEFT	
0.411	0.411	CULVERT	N/A	
0.463	0.463	DROP INLET	LEFT	
0.497	0.497	DROP INLET	LEFT	
0.501	0.501	CULVERT	N/A	
0.543	0.543	DROP INLET	LEFT	
0.561	0.561	CULVERT	N/A	
0.580	0.580	CULVERT	N/A	
0.582	0.582	INTERSECTION	LEFT	STATE ROUTE 607 - RIVER ROAD
0.582	0.582	INTERSECTION	RIGHT	STATE ROUTE 607 - RIVER ROAD

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

***ROUTE 0500 : CHATHAM LANE***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.590	0.590			ROUTE ENDS AT STATE ROUTE 607 - RIVER ROAD

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0503A : WILLIS HILL ROAD***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT SUNKEN ROAD
0.005	0.005	INTERSECTION	LEFT	SUNKEN ROAD
0.005	0.005	INTERSECTION	RIGHT	SUNKEN ROAD
0.099	0.099	INTERSECTION	LEFT	
0.109	0.109	INTERSECTION	LEFT	
0.140	0.140			ROUTE ENDS AT END OF LOOP
0.146	0.146	INTERSECTION	RIGHT	END OF LOOP
0.148	0.148	INTERSECTION	LEFT	END OF LOOP

# ***FRSP: ROUTE MAINTENANCE FEATURES ROAD LOG***

## ***ROUTE 0503B : WILLIS HILL ROAD SPUR***

<b><i>FROM MILEPOST</i></b>	<b><i>TO MILEPOST</i></b>	<b><i>FEATURE</i></b>	<b><i>SIDE</i></b>	<b><i>COMMENT</i></b>
0.000	0.000			ROUTE BEGINS AT ADJACENT TO ROUTE 0503A AT MP 004 ON RIGHT
0.008	0.008	INTERSECTION	RIGHT	RTE 503A
0.011	0.011	INTERSECTION	LEFT	RTE 503A
0.014	0.014	INTERSECTION	LEFT	
0.026	0.026	INTERSECTION	LEFT	
0.051	0.051	INTERSECTION	RIGHT	RTE 934
0.057	0.057	INTERSECTION	LEFT	END OF LOOP
0.060	0.060			ROUTE ENDS AT END OF LOOP

## APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
4370	Numeric Code for Fredericksburg & Spotsylvania 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
FRSP	Alpha Code for Fredericksburg & Spotsylvania National Military Park
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

## 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 occur 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 Distress 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 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_CLAS	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	XXXXXXXXXX	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	XXXXXXXX	Route number	Route ID Meeting	Park Input/FHWA Classification	Untested
FUNCT_CLAS	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	XXXXXXXXXXXX	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	XXXXXXXXXX	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%
VISL_FROM	999999 (millimiles)	Raw MP of first video frame showing feature	Contractor Post-processing	Database Processing	Untested
VISL_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	999.9999999	Latitude coordinate	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
GPS_LON	-999.9999999	Longitude coordinate	ARAN Data Collection	Automatic Output	See GPS Metadata sheet distributed with data
GPS_ELEV	999999.9	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	<Par/>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_FLG	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	XXXXXXXXXX	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%
VISL_FROM	999999 (millimiles)	Raw MP of first video frame in section	Contractor Post-processing	Database Processing	Untested
VISL_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







# frsp\_seg

Metadata also available as

## Metadata:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
- 

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* The TSR Group

*Publication\_Date:* 2005

*Title:* frsp\_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:* -77.759270

*East\_Bounding\_Coordinate:* -77.435493

*North\_Bounding\_Coordinate:* 38.317425

*South\_Bounding\_Coordinate:* 38.210739

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* FRSP

*Theme\_Keyword:* FRSP

*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

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for routes

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

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*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:* 152

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*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

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* frsp\_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:* FRSP\_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:* FRSP\_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

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*Attribute\_Label:* PCRMI

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*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

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*Metadata\_Reference\_Information:*  
*Metadata\_Date:* 20050926  
*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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Generated by [mp](#) version 2.7.33 on Mon Sep 26 17:18:55 2005

# frsp\_pkg\_03

Metadata also available as

## Metadata:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
- 

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* Eastern Federal Lands Highway Division

*Publication\_Date:* Unknown

*Title:* frsp\_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:* 8/24/1999

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -77.757008

*East\_Bounding\_Coordinate:* -77.435401

*North\_Bounding\_Coordinate:* 38.324695

*South\_Bounding\_Coordinate:* 38.214234

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* FRSP

*Theme\_Keyword:* FRSP

*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

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*Data\_Quality\_Information:**Attribute\_Accuracy:**Attribute\_Accuracy\_Report:* Good*Completeness\_Report:* Complete for parking areas*Lineage:**Source\_Information:**Type\_of\_Source\_Media:* GPS

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*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:* 30

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*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:* frsp\_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

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*Distribution\_Information:*

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size:* 0.018

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20050926

*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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Generated by [mp](#) version 2.7.33 on Mon Sep 26 17:20:43 2005

# frsp\_pkg\_03\_map

Metadata also available as

## Metadata:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
- 

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* Eastern Federal Lands Highway Division

*Publication\_Date:* Unknown

*Title:* frsp\_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:* 8/24/1999

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -77.757034

*East\_Bounding\_Coordinate:* -77.435401

*North\_Bounding\_Coordinate:* 38.324781

*South\_Bounding\_Coordinate:* 38.214234

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* FRSP

*Theme\_Keyword:* FRSP

*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

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for parking areas

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

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*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:* 30

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*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

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* frsp\_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

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*Distribution\_Information:**Resource\_Description:* Downloadable Data*Standard\_Order\_Process:**Digital\_Form:**Digital\_Transfer\_Information:**Transfer\_Size:* 0.018

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*Metadata\_Reference\_Information:**Metadata\_Date:* 20050926*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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# frsp\_nonnps

Metadata also available as

## Metadata:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
- 

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* The TSR Group

*Publication\_Date:* 2005

*Title:* frsp\_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:* -77.762446

*East\_Bounding\_Coordinate:* -77.463284

*North\_Bounding\_Coordinate:* 38.324838

*South\_Bounding\_Coordinate:* 38.281312

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* FRSP

*Theme\_Keyword:* FRSP

*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

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*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

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*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:* 8

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*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

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* frsp\_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

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20050926

*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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# frsp\_mrl\_03

Metadata also available as

## Metadata:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
- 

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* Eastern Federal Lands Highway Division

*Publication\_Date:* Published Materials

*Title:* frsp\_mrl\_03

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* Manually Rated Roads - Lines

*Purpose:* Road Inventory Program

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

##### *Single\_Date/Time:*

*Calendar\_Date:* 8/24/1999

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -77.472013

*East\_Bounding\_Coordinate:* -77.467795

*North\_Bounding\_Coordinate:* 38.293301

*South\_Bounding\_Coordinate:* 38.277511

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* FRSP

*Theme\_Keyword:* FRSP

*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:* String*Point\_and\_Vector\_Object\_Count:* 3

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*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:* frsp\_mrl\_03*Entity\_Type\_Definition\_Source:* GPS*Attribute:**Attribute\_Label:* FID*Attribute\_Definition:* Internal feature number.*Attribute\_Definition\_Source:* ESRI*Attribute\_Domain\_Values:**Enumerated\_Domain:**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\_Definition\_Source:* Route ID Meeting / ARAN Data Collection*Attribute:**Attribute\_Label:* SURF\_TYPE*Attribute\_Definition:* Surface type of route*Attribute\_Definition\_Source:* ARAN Data Collection*Attribute:**Attribute\_Label:* CONDITION*Attribute\_Definition:* Condition rating*Attribute\_Domain\_Values:**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:* PAVE\_WIDTH*Attribute\_Definition:* Width of the paved area*Attribute:**Attribute\_Label:* PAVED\_MI*Attribute\_Definition:* Calculated paved miles

---

*Distribution\_Information:**Resource\_Description:* Downloadable Data*Standard\_Order\_Process:**Digital\_Form:**Digital\_Transfer\_Information:**Transfer\_Size:* 0.037

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*Metadata\_Reference\_Information:**Metadata\_Date:* 20050926*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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# frsp\_mrl\_03\_map

Metadata also available as

## Metadata:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
- 

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* Eastern Federal Lands Highway Division

*Publication\_Date:* Published Materials

*Title:* frsp\_mrl\_03\_map

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Online\_Linkage:* Not Available

#### *Description:*

*Abstract:* Copy of Manually Rated Roads - Lines

*Purpose:* Road Inventory Program

##### *Supplemental\_Information:*

This shapefile is a copy of the source manually rated lines shapefile. The features are edited as needed for graphic purposes.

#### *Time\_Period\_of\_Content:*

##### *Time\_Period\_Information:*

##### *Single\_Date/Time:*

*Calendar\_Date:* 8/24/1999

*Currentness\_Reference:* ground condition

#### *Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* As per RIP cycle

#### *Spatial\_Domain:*

##### *Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -77.472013

*East\_Bounding\_Coordinate:* -77.467652

*North\_Bounding\_Coordinate:* 38.293301

*South\_Bounding\_Coordinate:* 38.277511

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* FRSP

*Theme\_Keyword:* FRSP

*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:* String

*Point\_and\_Vector\_Object\_Count:* 3

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*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

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* frsp\_mrl\_03\_map

*Entity\_Type\_Definition\_Source:* GPS

*Attribute:*

*Attribute\_Label:* FID

*Attribute\_Definition:* Internal feature number.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*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\_Definition\_Source:* Route ID Meeting / ARAN Data Collection

*Attribute:*

*Attribute\_Label:* SURF\_TYPE

*Attribute\_Definition:* Surface type of route

*Attribute\_Definition\_Source:* ARAN Data Collection

*Attribute:*

*Attribute\_Label:* CONDITION

*Attribute\_Definition:* Condition rating

*Attribute\_Domain\_Values:*

*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:* PAVE\_WIDTH

*Attribute\_Definition:* Width of the paved area

*Attribute:*

*Attribute\_Label:* PAVED\_MI

*Attribute\_Definition:* Calculated paved miles

---

*Distribution\_Information:*

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size:* 0.037

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20050926

*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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# frsp\_mi\_pt

Metadata also available as

## Metadata:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
- 

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* The TSR Group

*Publication\_Date:* 2005

*Title:* frsp\_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:* -77.753952

*East\_Bounding\_Coordinate:* -77.446144

*North\_Bounding\_Coordinate:* 38.314667

*South\_Bounding\_Coordinate:* 38.214321

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* FRSP

*Theme\_Keyword:* FRSP

*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:* 34

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*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

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* frsp\_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 shoulder 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:* Right 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\_FL  
*Attribute\_Definition*: Flag indicating presence of bridge in interval  
*Attribute\_Definition\_Source*: ARAN Data Collection  
*Attribute*:  
*Attribute\_Label*: CONSTR\_FL  
*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

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*Distribution\_Information:*

*Resource\_Description:* Downloadable Data

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Transfer\_Size:* 0.030

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20050926

*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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# frsp\_mi

Metadata also available as

## Metadata:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
- 

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

*Originator:* The TSR Group

*Publication\_Date:* 2005

*Title:* frsp\_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:* -77.759407

*East\_Bounding\_Coordinate:* -77.435493

*North\_Bounding\_Coordinate:* 38.317425

*South\_Bounding\_Coordinate:* 38.210739

#### *Keywords:*

##### *Theme:*

*Theme\_Keyword\_Thesaurus:* FRSP

*Theme\_Keyword:* FRSP



*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

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:* Good

*Completeness\_Report:* Complete for routes

*Lineage:*

*Source\_Information:*

*Type\_of\_Source\_Media:* GPS

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*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:* 29

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*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

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*Entity\_and\_Attribute\_Information*:

*Detailed\_Description*:

*Entity\_Type*:

*Entity\_Type\_Label*: frsp\_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*: FRSP\_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:* FRSP\_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*

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*Metadata\_Reference\_Information:*

*Metadata\_Date: 20050926*

*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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