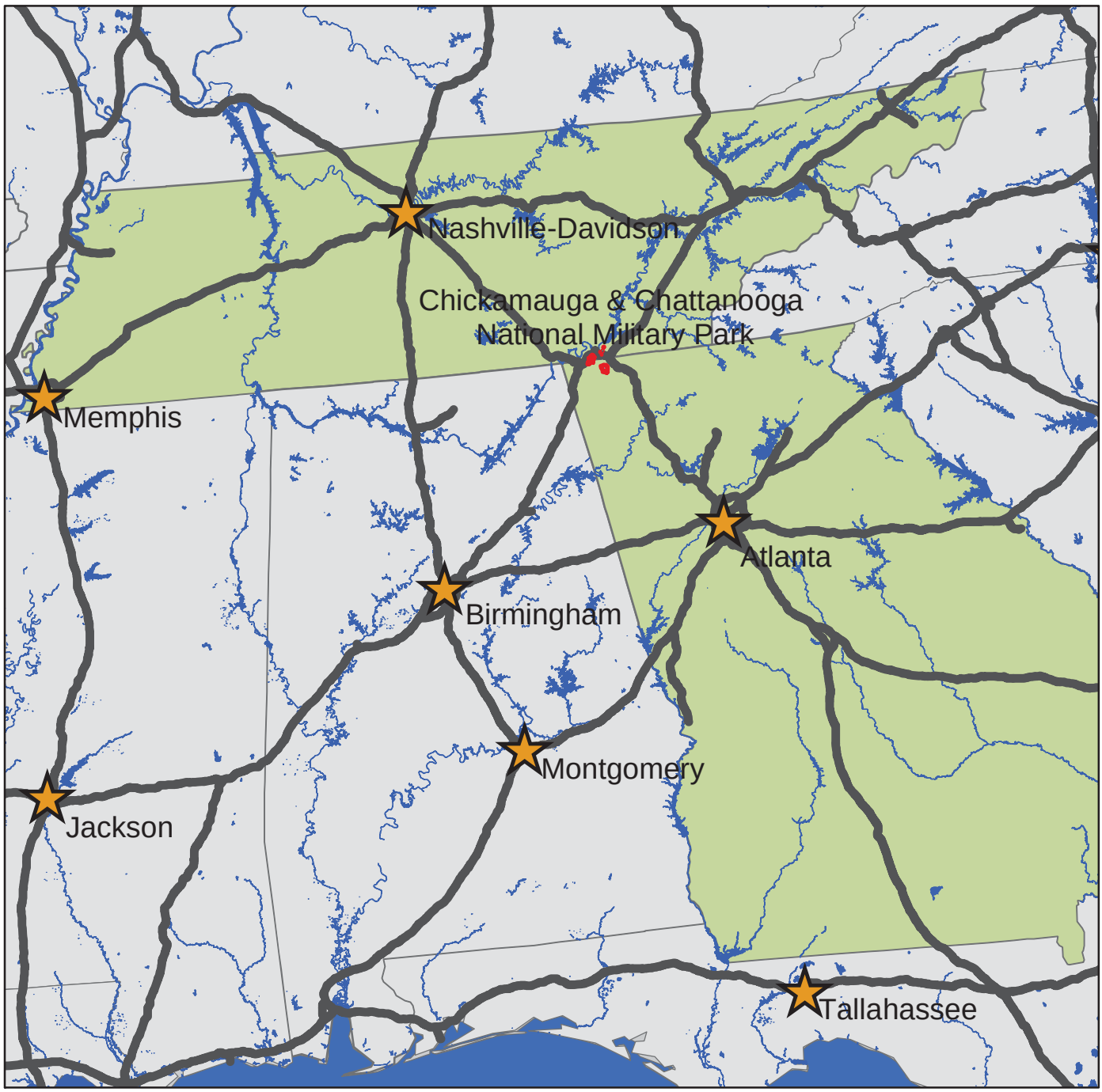
national park service

The Road Inventory
of
Chickamauga & Chattanooga National Military Park
CHCH – 5220
Cycle 4

Prepared By:
Federal Highway Administration
Road Inventory Program
Cycle 4

Chickamauga & Chattanooga National Military Park
in
Georgia / Tennessee



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Chickamauga & Chattanooga National Military Park

Section 1
Introduction

INTRODUCTION

Background: In 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 costs and programs to bring National Park Service (NPS) roads up to, or to maintain, designated standards, and 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 reestablished in the 1990's. The FLH completed two cycles of RIP data collection between 1994 and 2001. Cycle 1 was collected in 44 large parks from 1994 to 1996. 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". Cycle 3 was completed from 2001 through 2004, and included data collection in all parks that contain pavement.

Since 1984, the RIP Program has been funded through the Federal Lands Highway Program's Park Roads and Parkways (PRP) Program. Currently, the NPS Washington Headquarters' Park Facility Management Division is responsible for coordinating the RIP program with the FLH. The FLH Washington office coordinates policy and prepares national reports and needs assessment studies for congress.

In 1998, the Transportation Equity Act for the 21st Century (TEA-21) amended Title 23 U.S.C., and inserted Section 204(a)(6) which requires the Federal Highway Administration and the National Park Service, to develop, by rule, a Pavement Management System (PMS) for the park roads and parkways serving the National Park System. As a result of the requirements in TEA-21, the NPS and 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 4: Cycle 4 data collection was initiated in spring 2006, where 86 large parks, consisting of 5,553 route miles and 6,232 paved parking areas, were selected as a representative sample of the entire NPS paved road network. Cycle 4 is scheduled for completion in spring 2009 and will serve the PMS in further development of its pavement preservation techniques.

In the Cycle 4 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 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.

The FHWA RIP Team

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Chickamauga & Chattanooga National Military Park

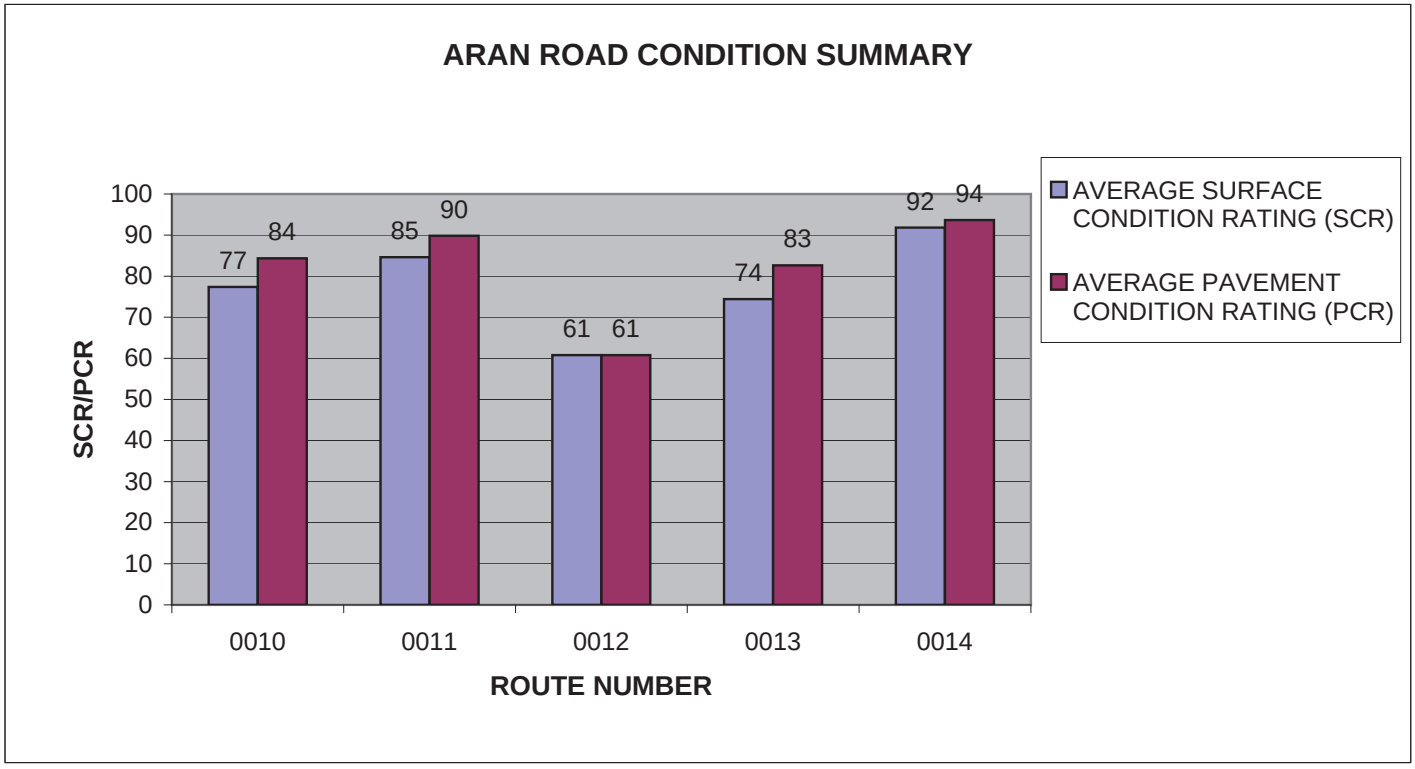
Section 2
Park Summary Information

CHCH: PAVED ROUTE MILES AND PERCENTAGES BY FUNCTIONAL CLASS AND PCR

F.C.	Pavement Condition Rating (PCR)								TOTAL MILES
	Poor (<=60)		Fair (61-84)		Good (85-94)		Excellent (95-100)		
	MILES	%	MILES	%	MILES	%	MILES	%	
1	0.82	3.48%	3.39	14.41%	3.60	15.30%	2.86	12.15%	**10.67**
2	1.32	5.61%	3.57	15.17%	3.22	13.68%	4.02	17.08%	**12.13**
3	0.12	0.51%	0.18	0.76%	0.04	0.17%	0.04	0.17%	**0.38**
4									
5									
6	0.16	0.68%	0.04	0.17%	0.01	0.04%			**0.21**
7									
8	0.04	0.17%	0.04	0.17%	0.02	0.08%	0.04	0.17%	**0.14**
Totals	**2.46**	**10.45%**	**7.22**	**30.68%**	**6.89**	**29.28%**	**6.96**	**29.58%**	**23.53**

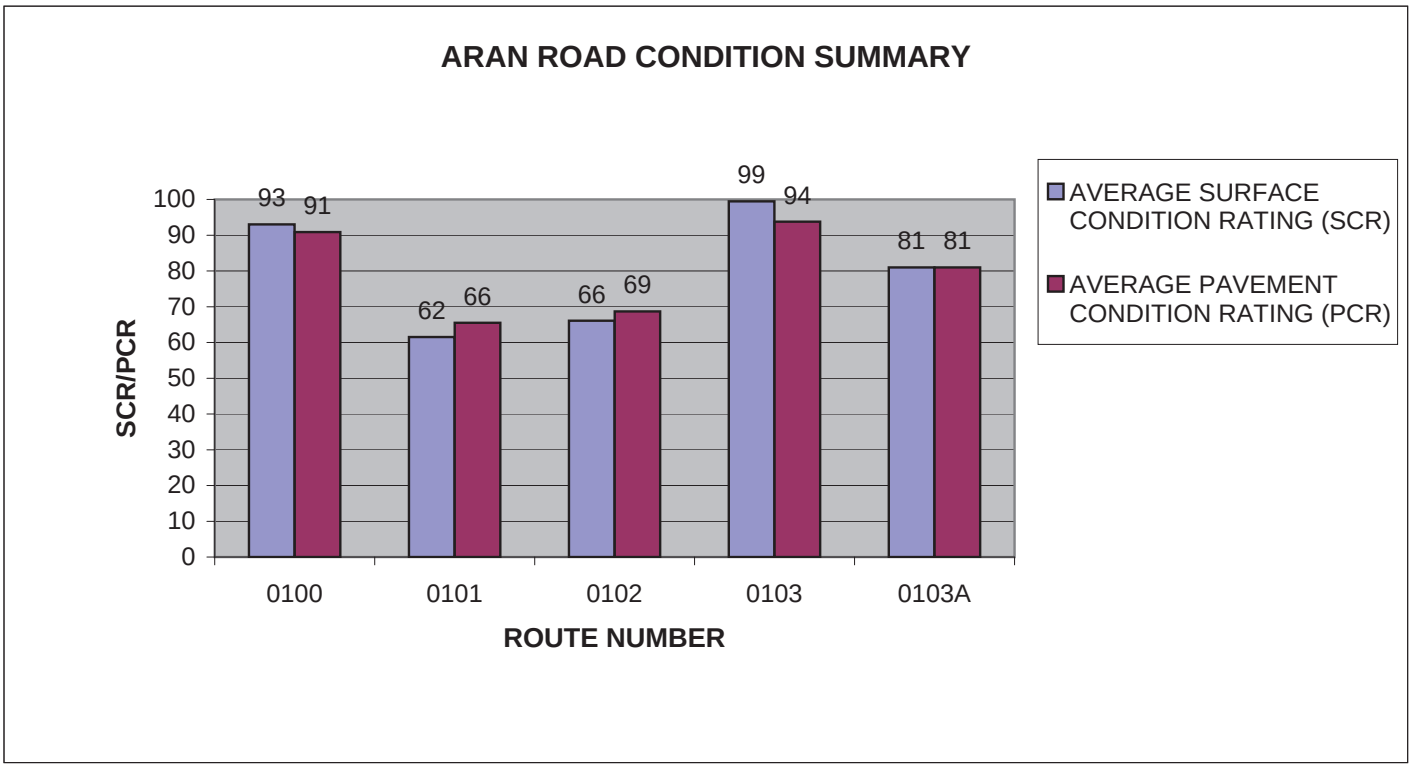
CHCH: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0010	MCFARLAND GAP ROAD	1	0.91	ASPHALT	77	84
0011	LAFAYETTE ROAD	1	3.38	ASPHALT	85	90
0012	VISITOR CENTER ACCESS	2	0.10	ASPHALT	61	61
0013	ALEXANDER BRIDGE ROAD	2	2.83	ASPHALT	74	83
0014	REEDS BRIDGE ROAD	1	1.98	ASPHALT	92	94



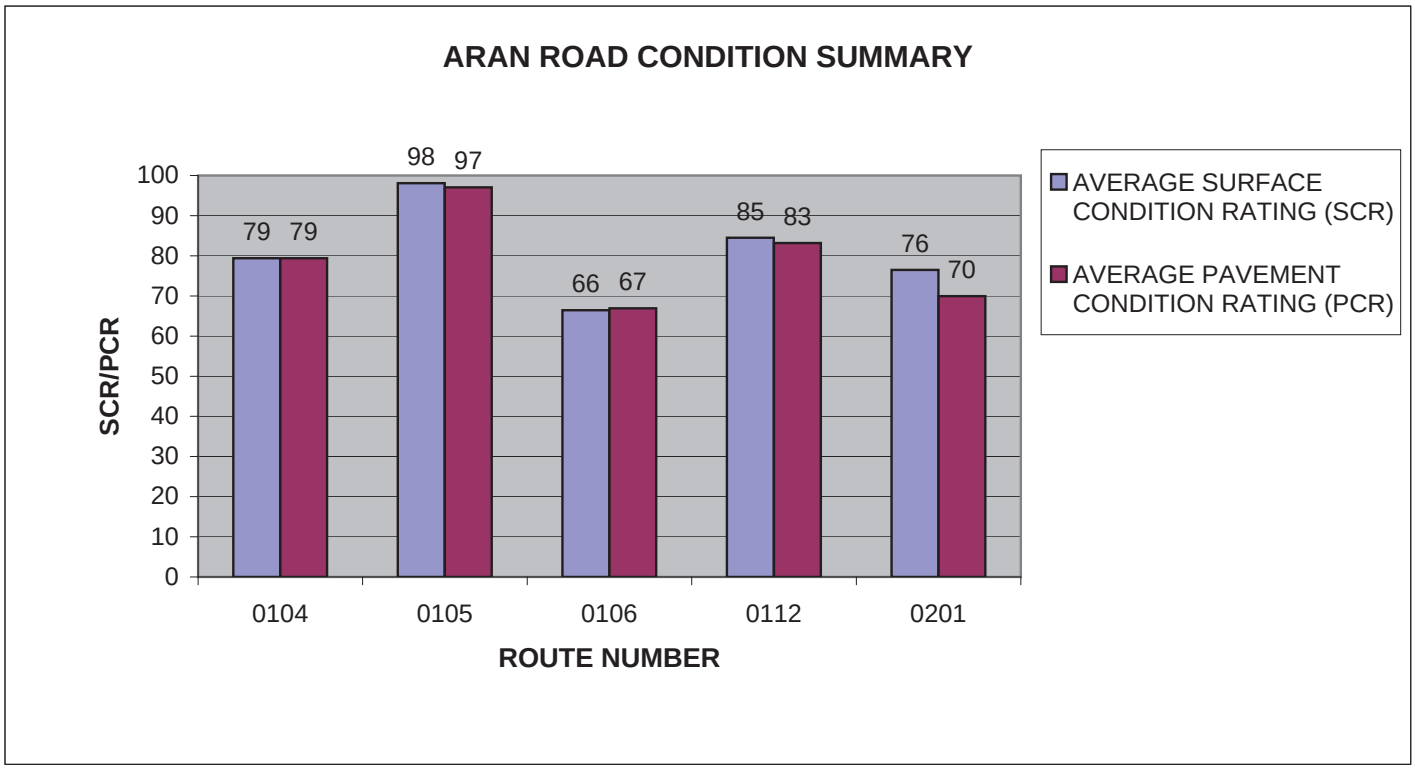
CHCH: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0100	JAYS MILL ROAD	2	1.1	ASPHALT	93	91
0101	DYER ROAD	2	0.76	ASPHALT	62	66
0102	BROTHERTON ROAD	2	1.96	ASPHALT	66	69
0103	VINIARD ALEXANDER ROAD	2	2.02	ASPHALT	99	94
0103A	VINIARD ALEXANDER ROAD SPUR	2	0.06	ASPHALT	81	81



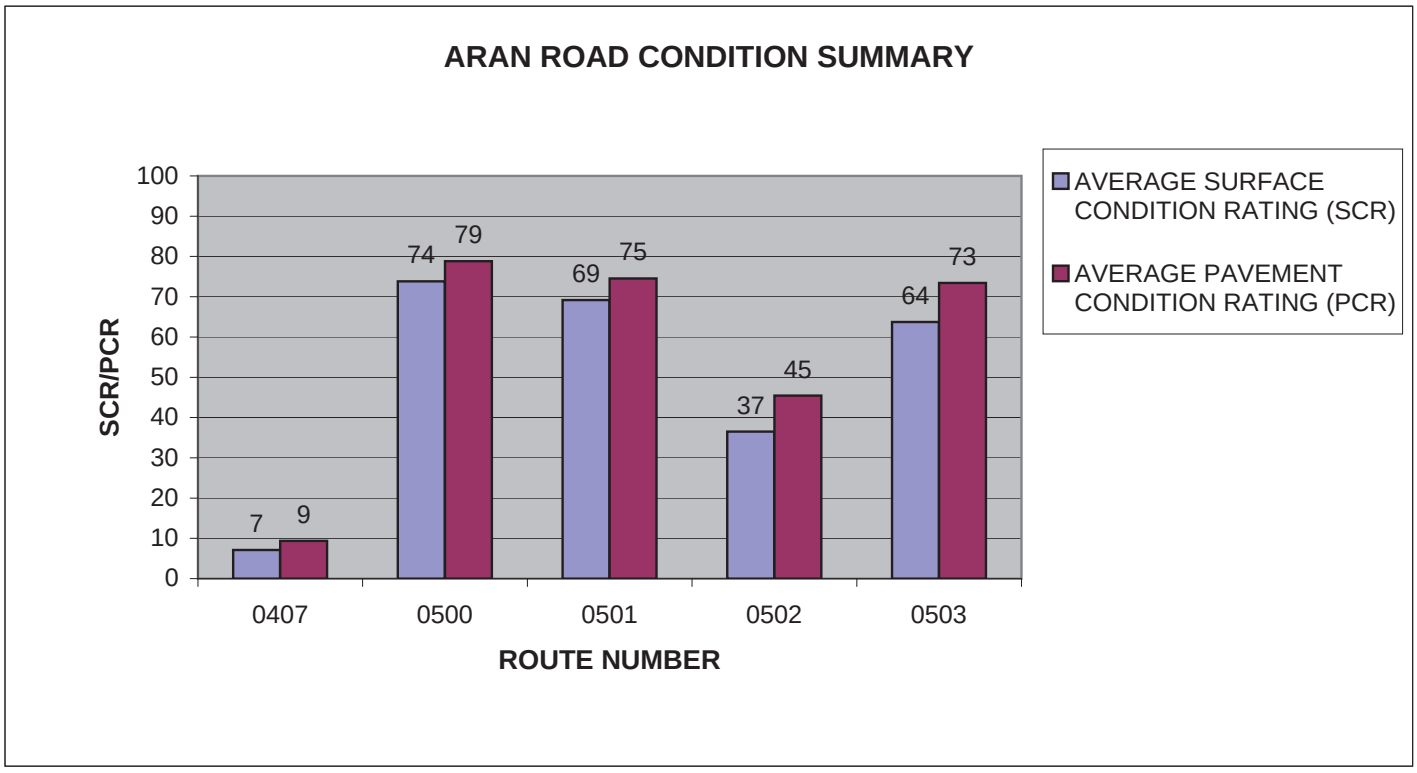
CHCH: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0104	VITTETOE ROAD	6	0.65	ASPHALT	79	79
0105	CHICK-VITTETOE ROAD	2	2.53	ASPHALT	98	97
0106	SANDERS ROAD	2	0.77	ASPHALT	66	67
0112	SNODGRASS ROAD	1	0.45	ASPHALT	85	83
0201	SANDERS ROAD PICNIC AREA ACCESS ROAD	3	0.38	ASPHALT	76	70



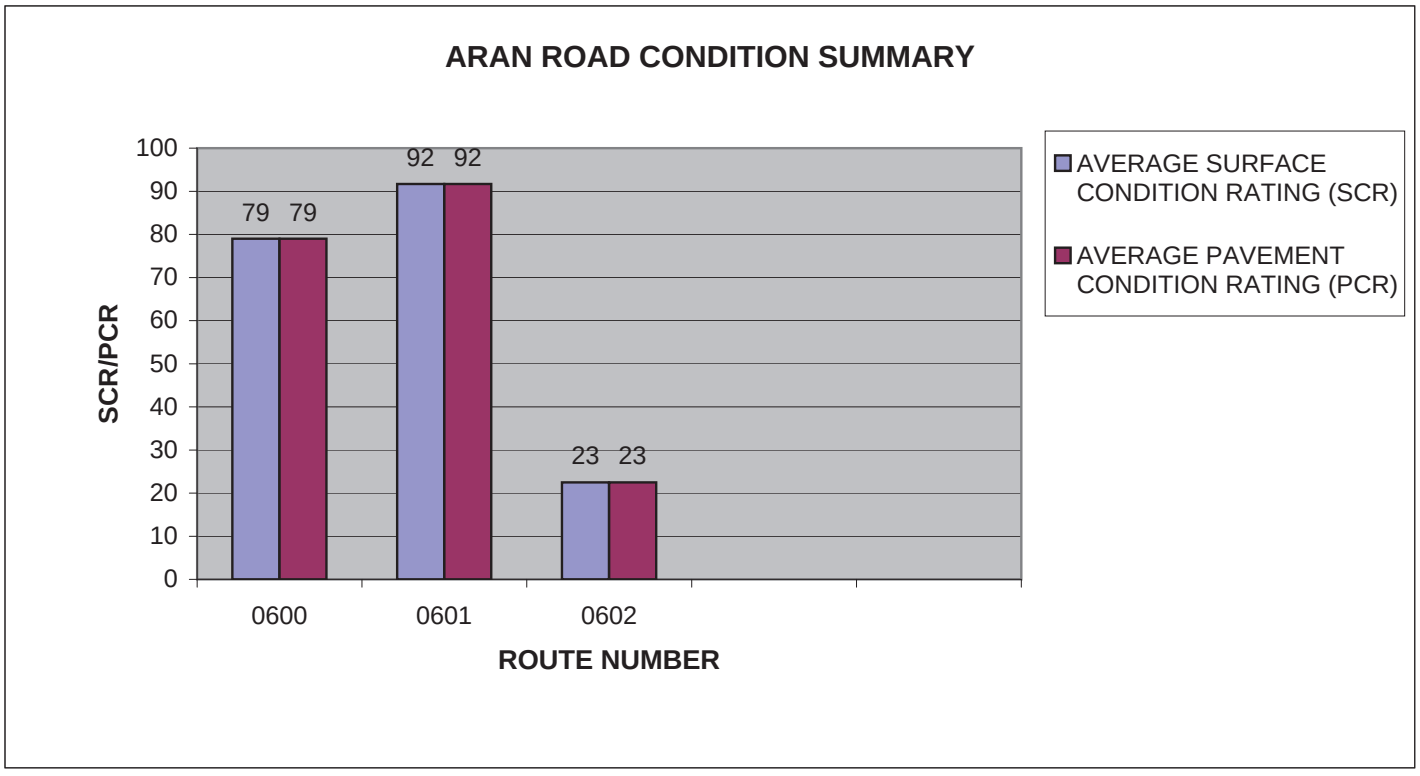
CHCH: ARAN ROAD CONDITION SUMMARY

ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0407	MAINTENANCE COMPOUND ACCESS ROAD	6	0.26	ASPHALT	7	9
0500	GLENN KELLEY ROAD	1	2.01	ASPHALT	74	79
0501	BATTLELINE ROAD	1	0.82	ASPHALT	69	75
0502	POE ROAD	1	0.34	ASPHALT	37	45
0503	GLEN VINIARD ROAD	1	0.78	ASPHALT	64	73



CHCH: ARAN ROAD CONDITION SUMMARY

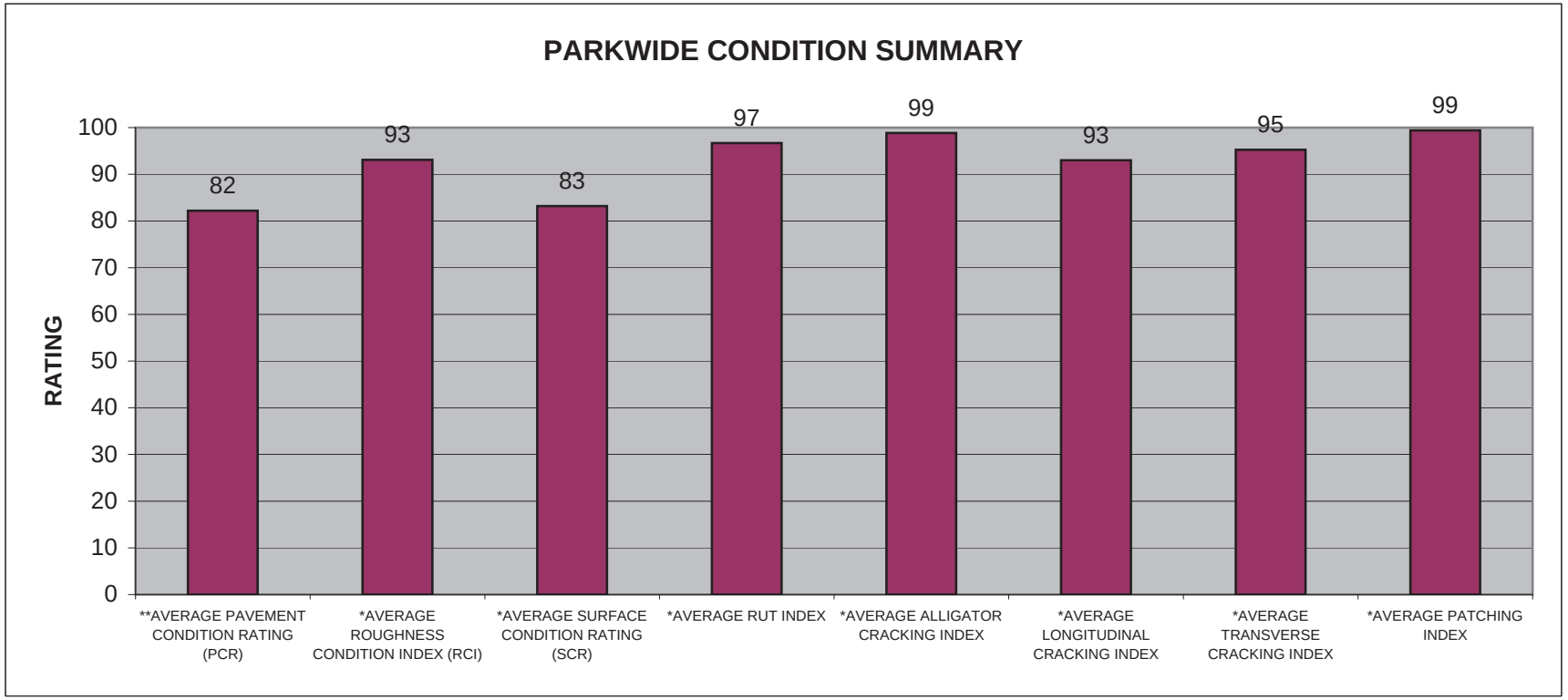
ROUTE NUMBER	ROUTE NAME	FUNCT CLASS	ROUTE LENGTH	SURFACE TYPE	AVERAGE SURFACE CONDITION RATING (SCR)	AVERAGE PAVEMENT CONDITION RATING (PCR)
0600	DRY VALLEY ROAD	8	0.04	ASPHALT	79	79
0601	LYTLE STATION ROAD	8	0.06	ASPHALT	92	92
0602	TOWER ROAD	8	0.04	ASPHALT	23	23



CHCH: PARKWIDE CONDITION SUMMARY

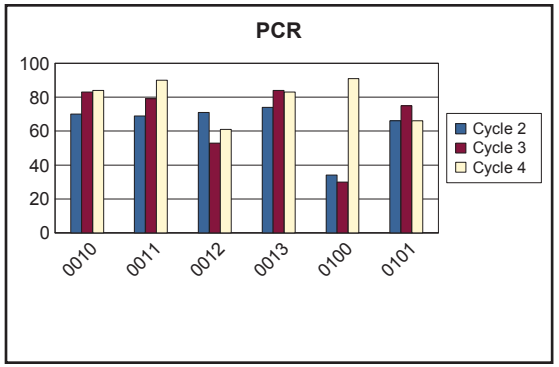
**AVERAGE PAVEMENT CONDITION RATING (PCR)	*AVERAGE ROUGHNESS CONDITION INDEX (RCI)	*AVERAGE SURFACE CONDITION RATING (SCR)	*AVERAGE RUT INDEX	*AVERAGE ALLIGATOR CRACKING INDEX	*AVERAGE LONGITUDINAL CRACKING INDEX	*AVERAGE TRANSVERSE CRACKING INDEX	*AVERAGE PATCHING INDEX
82	93	83	97	99	93	95	99

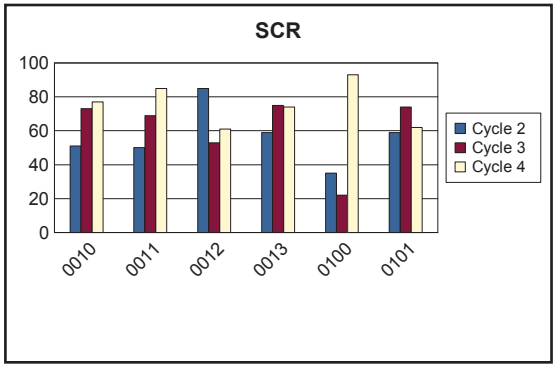
*** PCR Index is based on all ARAN-driven roads, parking areas, and manually rated routes.*
** Index values are based on ARAN-driven roads only.*

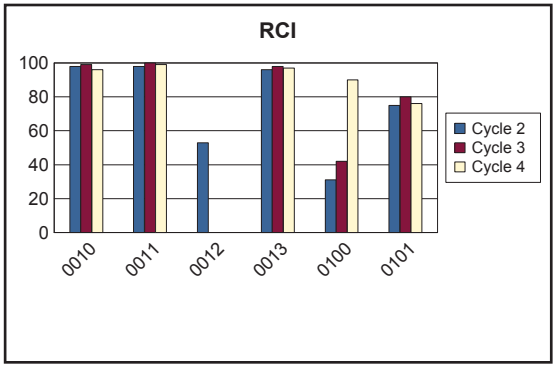


CHCH CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0010	2.90	0.00	2.90	70	83	84	+1%	51	73	77	+5%	98	99	96	-3%	
0011	3.38	0.00	3.38	69	79	90	+14%	50	69	85	+23%	98	100	99	-1%	
0012	0.10	0.00	0.10	71	53	61	+15%	85	53	61	+15%	53	N/A	N/A	N/A	No RCI collected in Cycle 3 and Cycle 4.
0013	2.88	0.00	2.88	74	84	83	-1%	59	75	74	-1%	96	98	97	-1%	
0100	1.10	0.00	1.10	34	30	91	+203%	35	22	93	+323%	31	42	90	+114%	
0101	0.76	0.00	0.76	66	75	66	-12%	59	74	62	-16%	75	80	76	-5%	



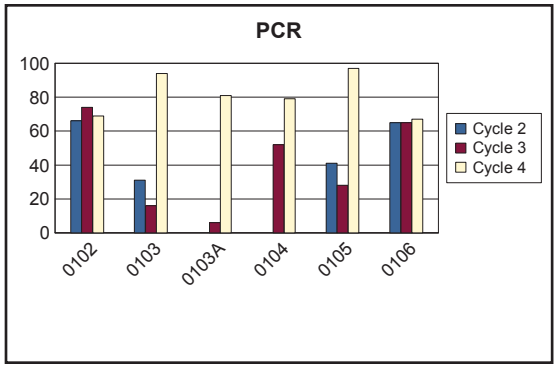


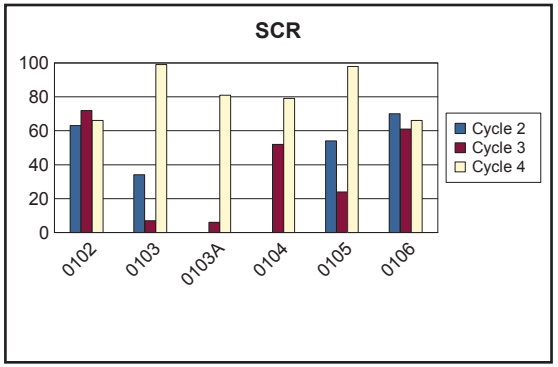


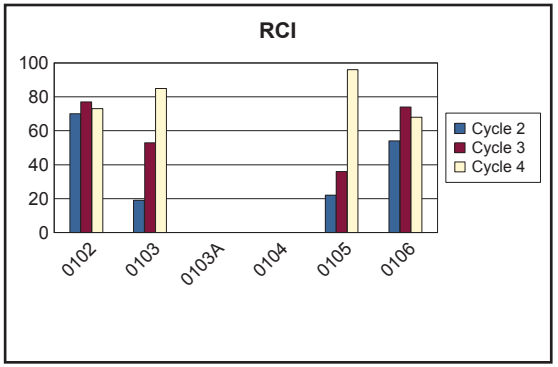
Cycle 4 Data Collected 6/2/2009 - 6/2/2009

CHCH CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0102	1.96	0.00	1.96	66	74	69	-7%	63	72	66	-8%	70	77	73	-5%	
0103	2.02	0.00	2.02	31	16	94	+488%	34	7	99	+1314%	19	53	85	+60%	
0103A	0.06	0.00	0.06	N/A	6	81	+1250%	N/A	6	81	+1250%	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 and Cycle 4.
0104	0.05	0.00	0.05	N/A	52	79	+52%	N/A	52	79	+52%	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 and Cycle 4.
0105	2.56	0.00	2.56	41	28	97	+246%	54	24	98	+308%	22	36	96	+167%	
0106	0.77	0.00	0.77	65	65	67	+3%	70	61	66	+8%	54	74	68	-8%	



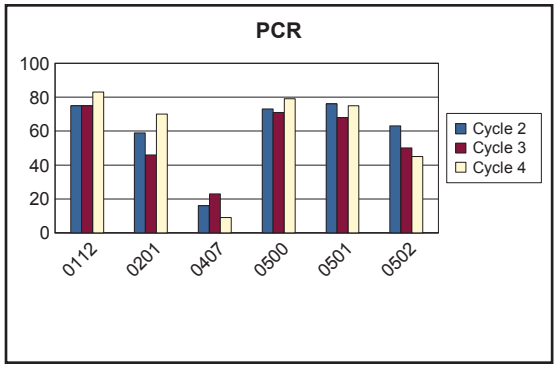


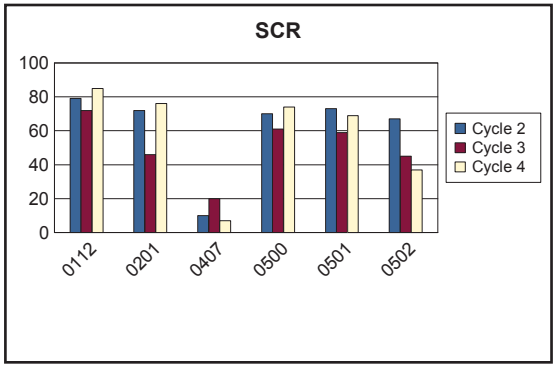


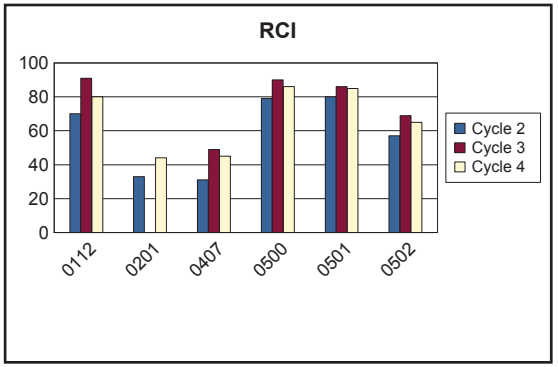
Cycle 4 Data Collected 6/2/2009 - 6/2/2009

CHCH CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0112	0.45	0.00	0.45	75	75	83	+11%	79	72	85	+18%	70	91	80	-12%	
0201	0.38	0.00	0.38	59	46	70	+52%	72	46	76	+65%	33	N/A	44	N/A	No RCI collected in Cycle 3.
0407	0.20	0.00	0.20	16	23	9	-61%	10	20	7	-65%	31	49	45	-8%	
0500	2.01	0.00	2.01	73	71	79	+11%	70	61	74	+21%	79	90	86	-4%	
0501	0.82	0.00	0.82	76	68	75	+10%	73	59	69	+17%	80	86	85	-1%	
0502	0.34	0.00	0.34	63	50	45	-10%	67	45	37	-18%	57	69	65	-6%	



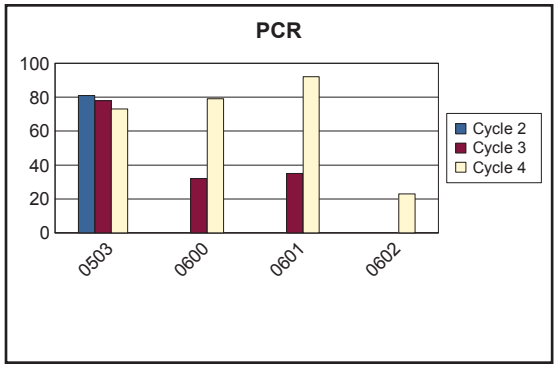


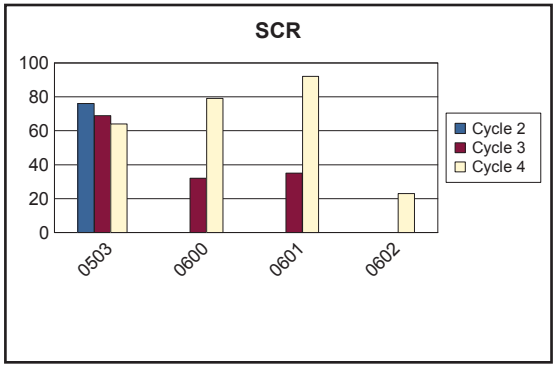


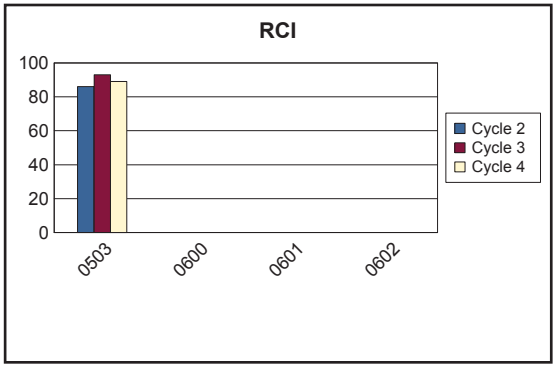
Cycle 4 Data Collected 6/2/2009 - 6/2/2009

CHCH CYCLE 2 vs CYCLE 3 vs CYCLE 4 CONDITION COMPARISONS

ROUTE NUMBER	PAVED MILES	FROM MILEPOST	TO MILEPOST	PAVEMENT CONDITION RATING (PCR)				SURFACE CONDITION RATING (SCR)				ROUGHNESS CONDITION INDEX (RCI)				COMMENT
				CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	CYCLE 2	CYCLE 3	CYCLE 4	PERCENT CHANGE	
0503	1.09	0.00	1.09	81	78	73	-6%	76	69	64	-7%	86	93	89	-4%	
0600	0.04	0.00	0.04	N/A	32	79	+147%	N/A	32	79	+147%	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 and Cycle 4.
0601	0.06	0.00	0.06	N/A	35	92	+163%	N/A	35	92	+163%	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 and Cycle 4.
0602	0.04	0.00	0.04	N/A	0	23	N/A	N/A	0	23	N/A	N/A	N/A	N/A	N/A	No RCI collected in Cycle 3 and Cycle 4.





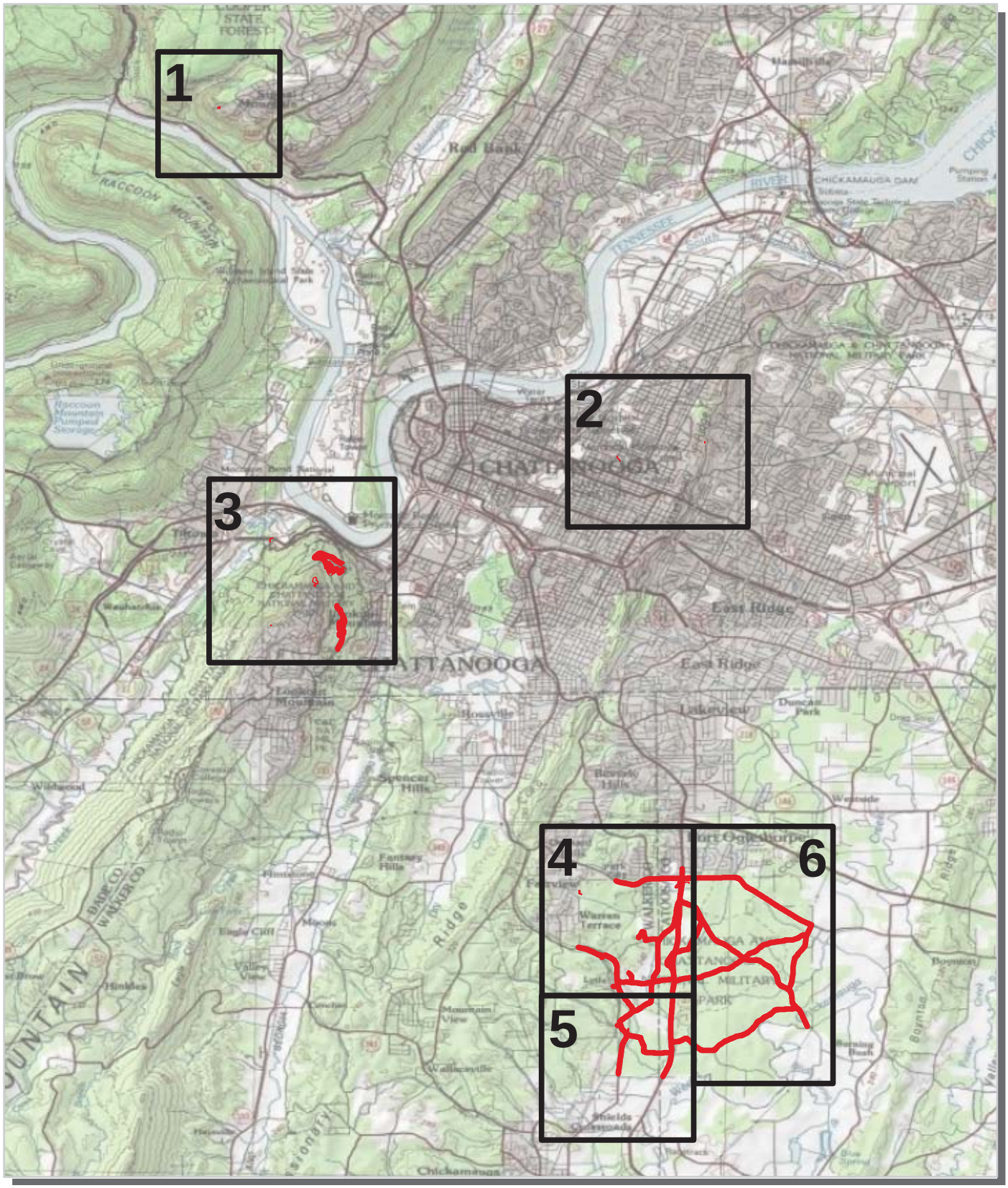


Cycle 4 Data Collected 6/2/2009 - 6/2/2009

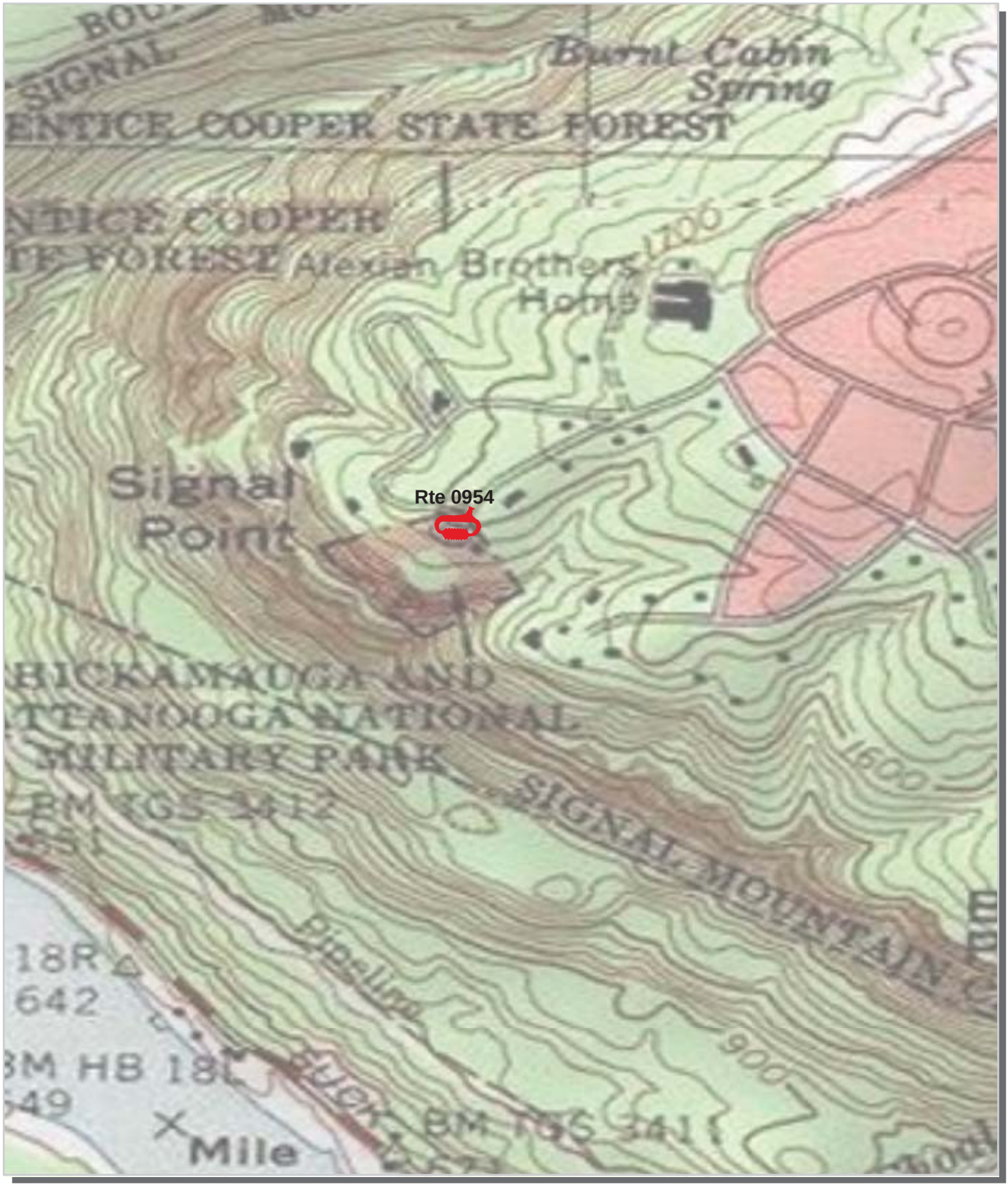
Chickamauga & Chattanooga National Military Park

Section 3
Park Route Location / Condition Maps

Chickamauga and Chattanooga National Military Park
Route Location Map
Key Map



Chickamauga and Chattanooga National Military Park
Route Location Map
Area 1

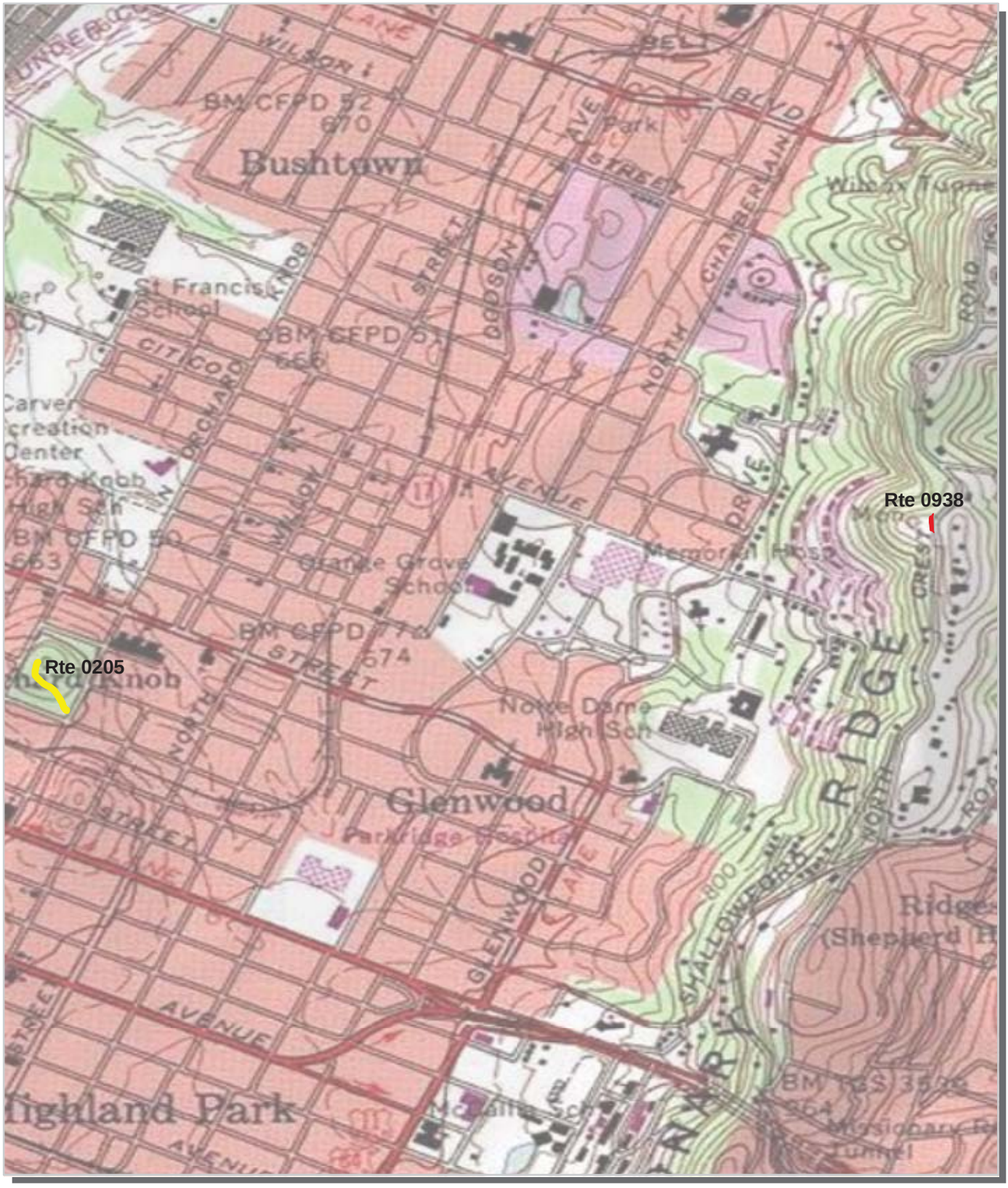


Unique colors used to differentiate routes

0.1 0.05 0 0.1
Miles

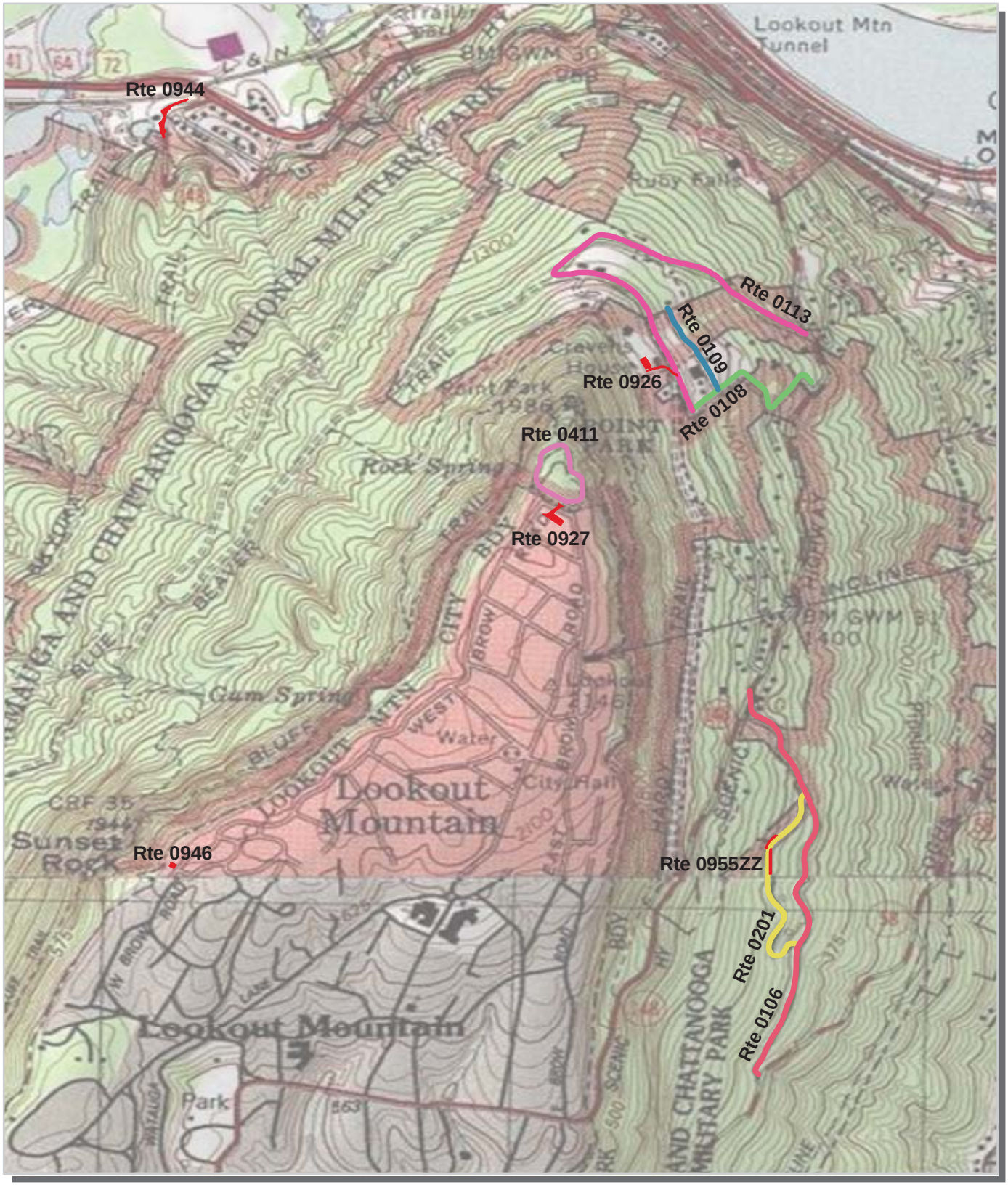
N

Chickamauga and Chattanooga National Military Park
Route Location Map
Area 2



Unique colors used to differentiate routes

Chickamauga and Chattanooga National Military Park
Route Location Map
Area 3



Unique colors used to differentiate routes

0.3 0.15 0 0.3 Miles

N

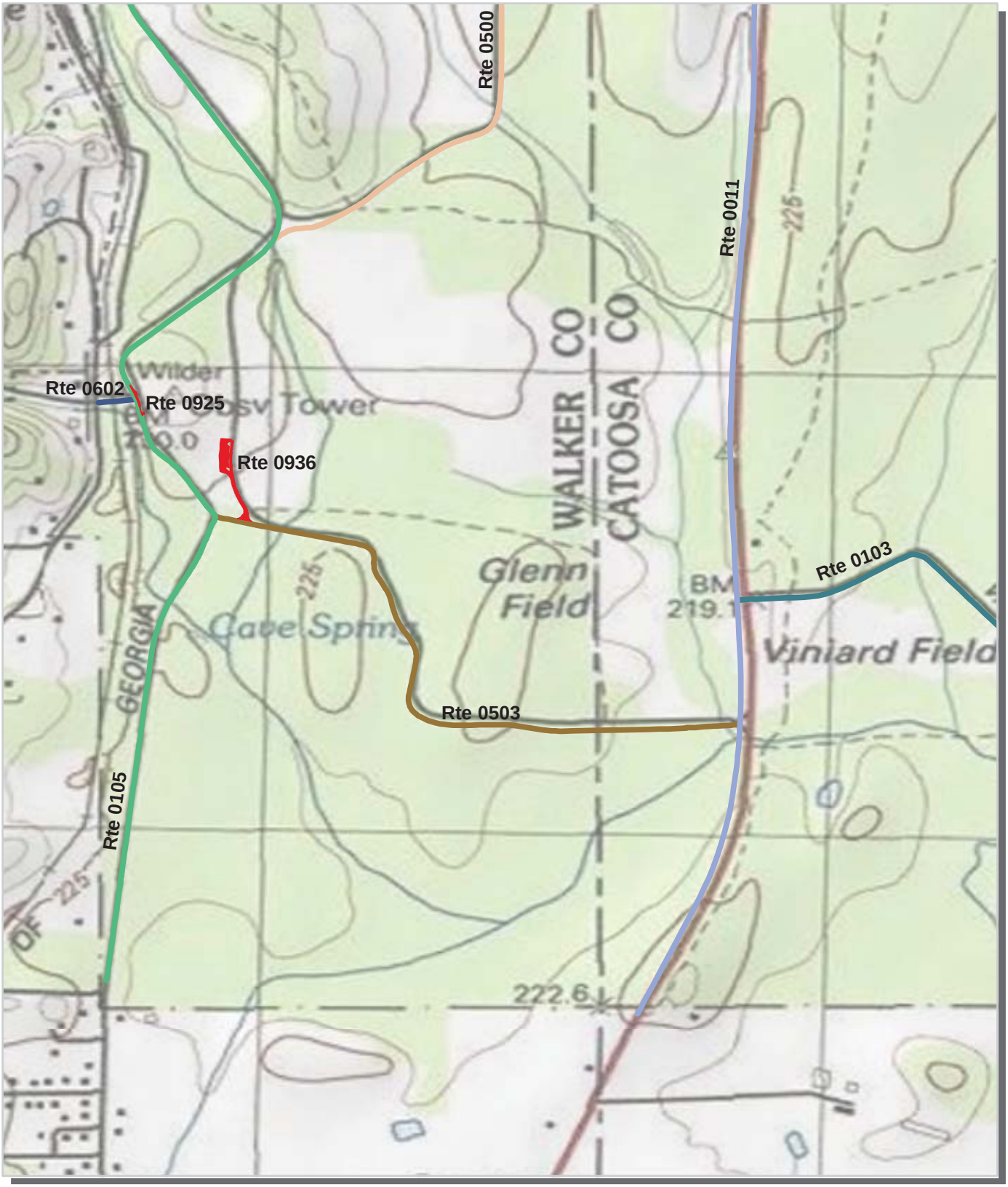
Chickamauga and Chattanooga National Military Park
Route Location Map
Area 4

Unique colors used to differentiate routes

0.4 0.2 0 0.4 Miles

N

Chickamauga and Chattanooga National Military Park
Route Location Map
Area 5

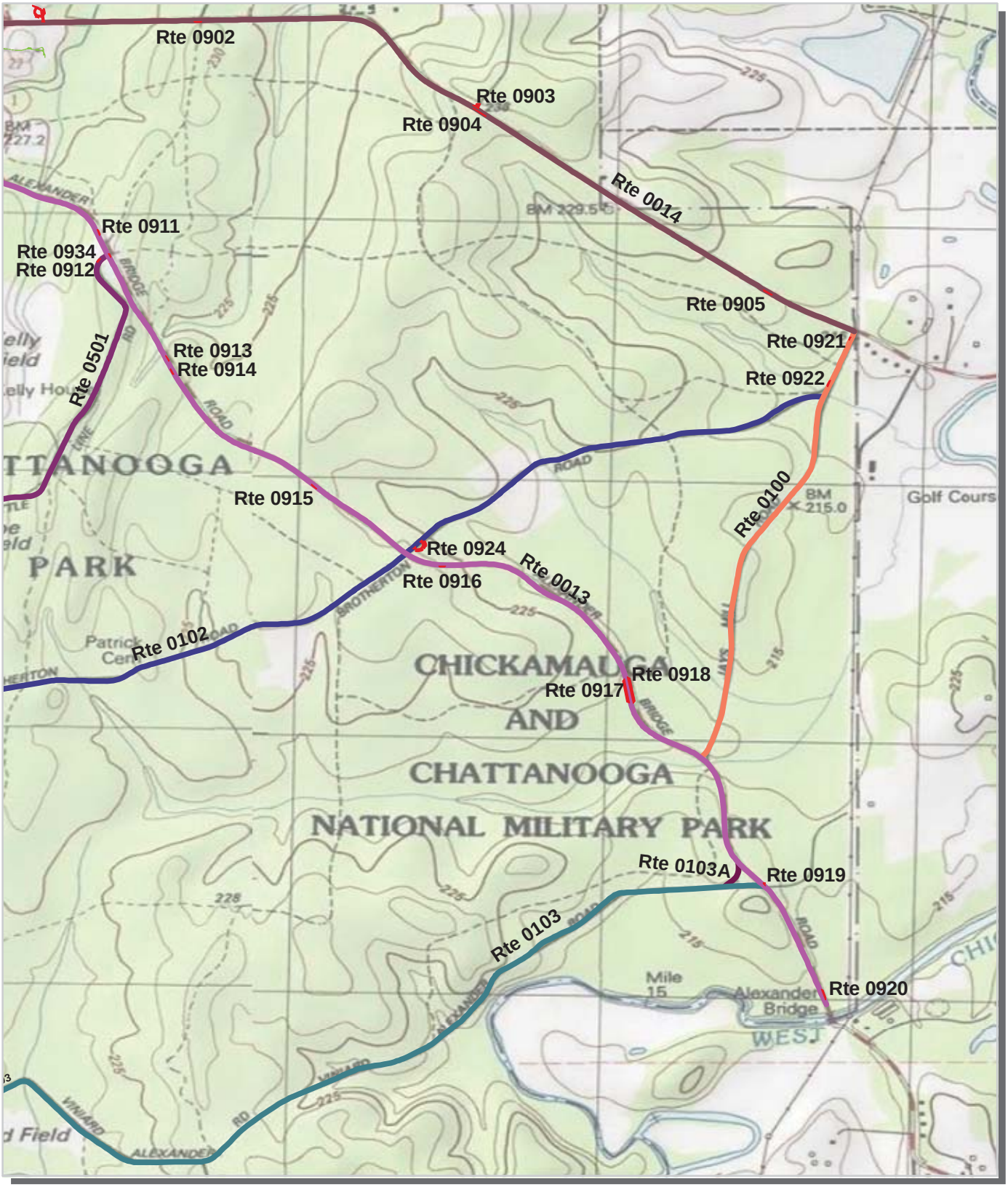


Unique colors used to differentiate routes

0.2 0.1 0 0.2 Miles

N

Chickamauga and Chattanooga National Military Park
Route Location Map
Area 6

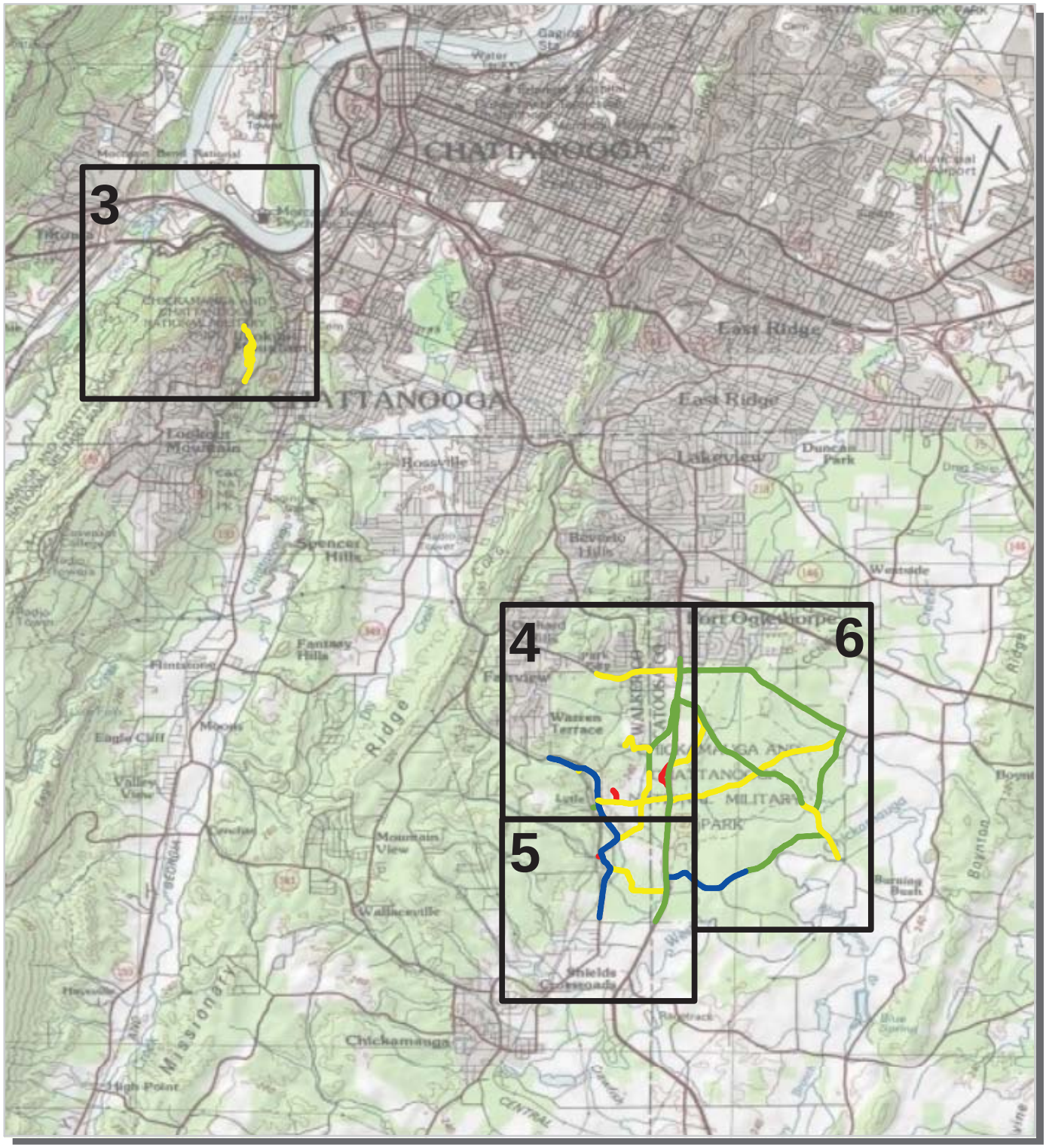


Unique colors used to differentiate routes

0.4 0.2 0 0.4 Miles

N

Chickamauga and Chattanooga National Military Park
Route Condition Map
PCR - Mile by Mile
Key Map



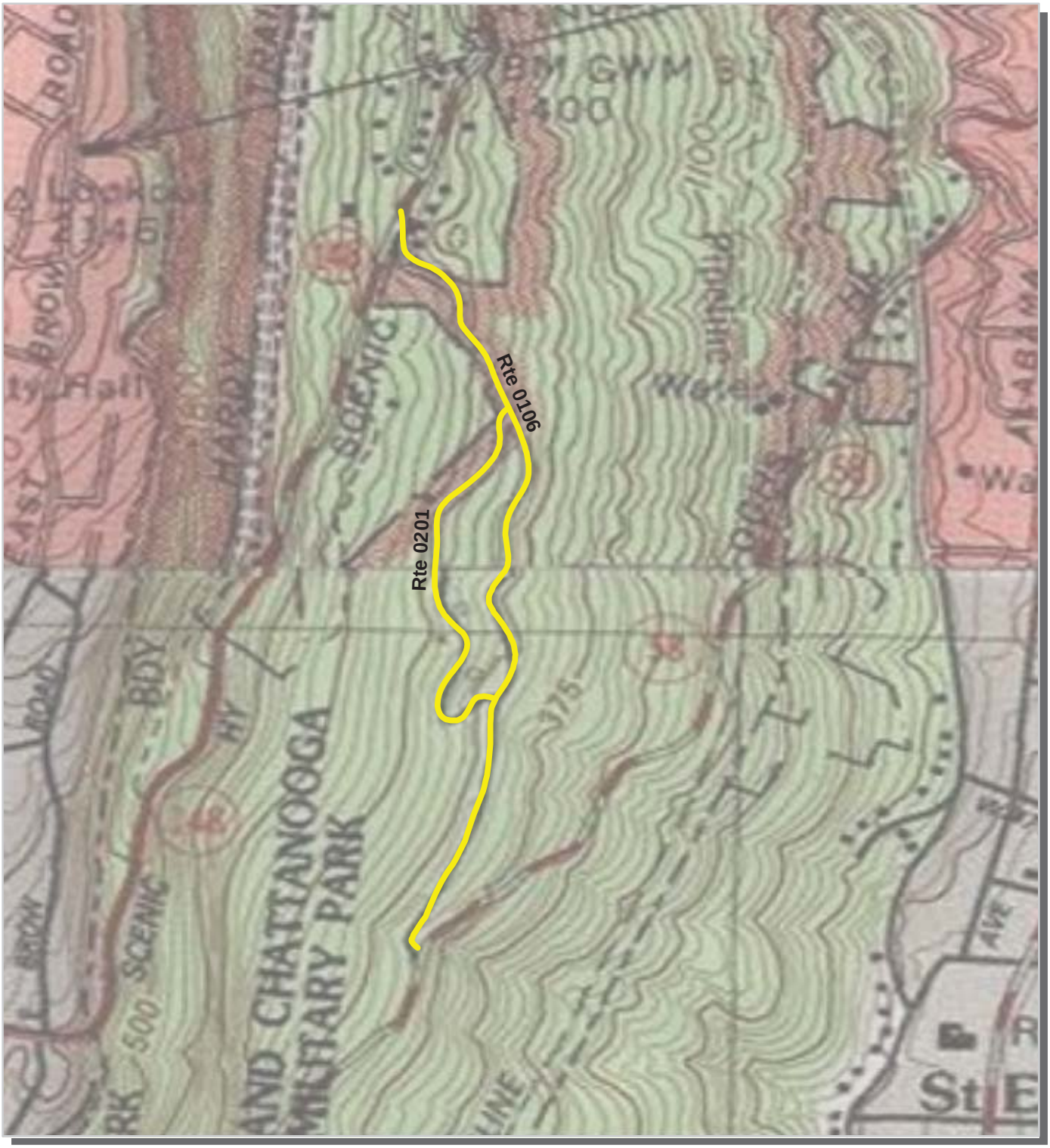
PCR — Poor (<=60) — Fair (61 - 84) — Good (85 - 94) — Excellent (95 - 100) — No Data

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

2 1 0 2 Miles

N

Chickamauga and Chattanooga National Military Park
Route Condition Map
PCR - Mile by Mile
Area 3



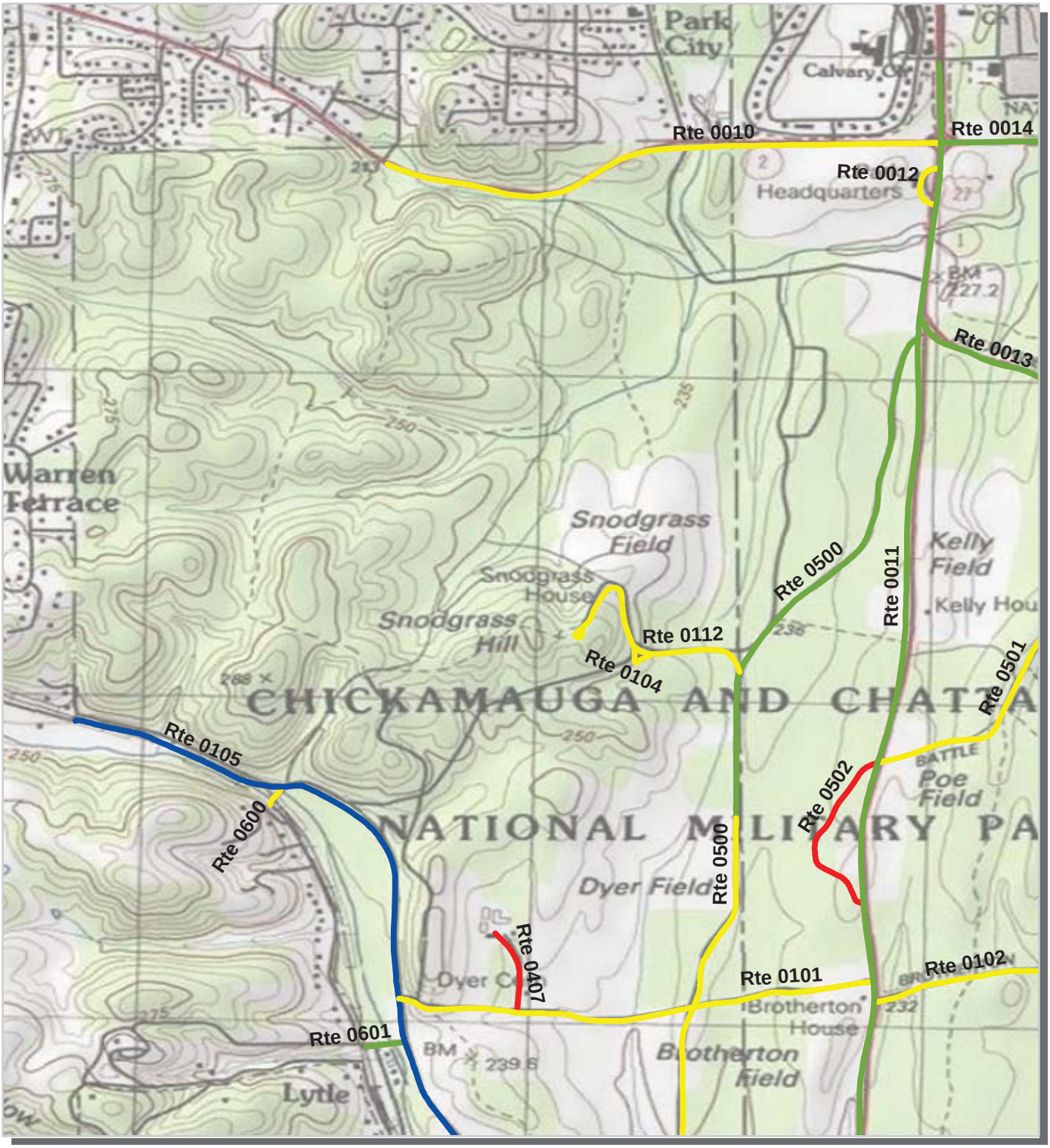
PCR	Poor	Fair	Good	Excellent	No Data
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

0.2 0.1 0 0.2 Miles

N

Chickamauga and Chattanooga National Military Park
Route Condition Map
PCR - Mile by Mile
Area 4



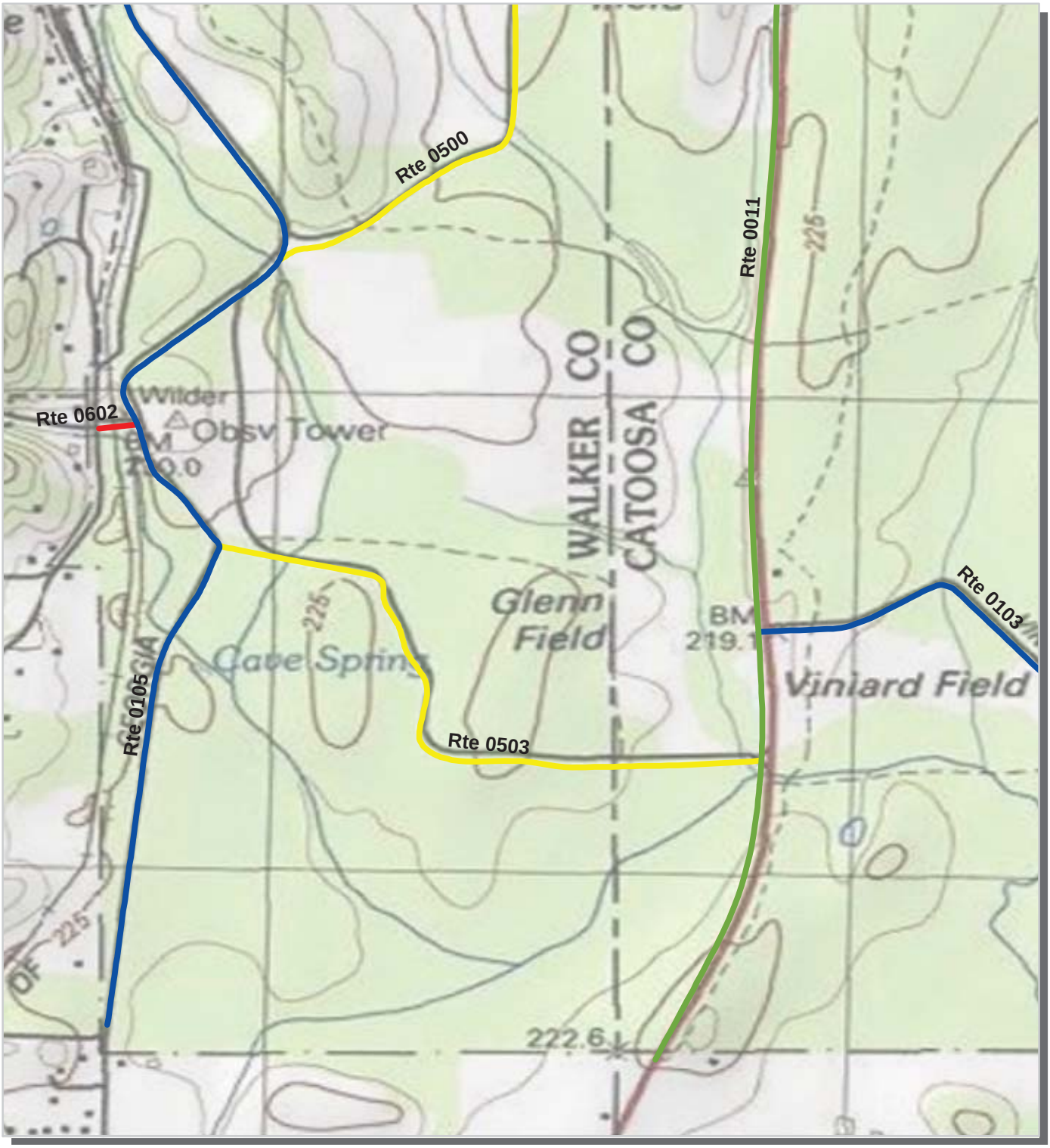
PCR	Poor	Fair	Good	Excellent	No Data
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

0.4 0.2 0 0.4 Miles

N

Chickamauga and Chattanooga National Military Park
Route Condition Map
PCR - Mile by Mile
Area 5



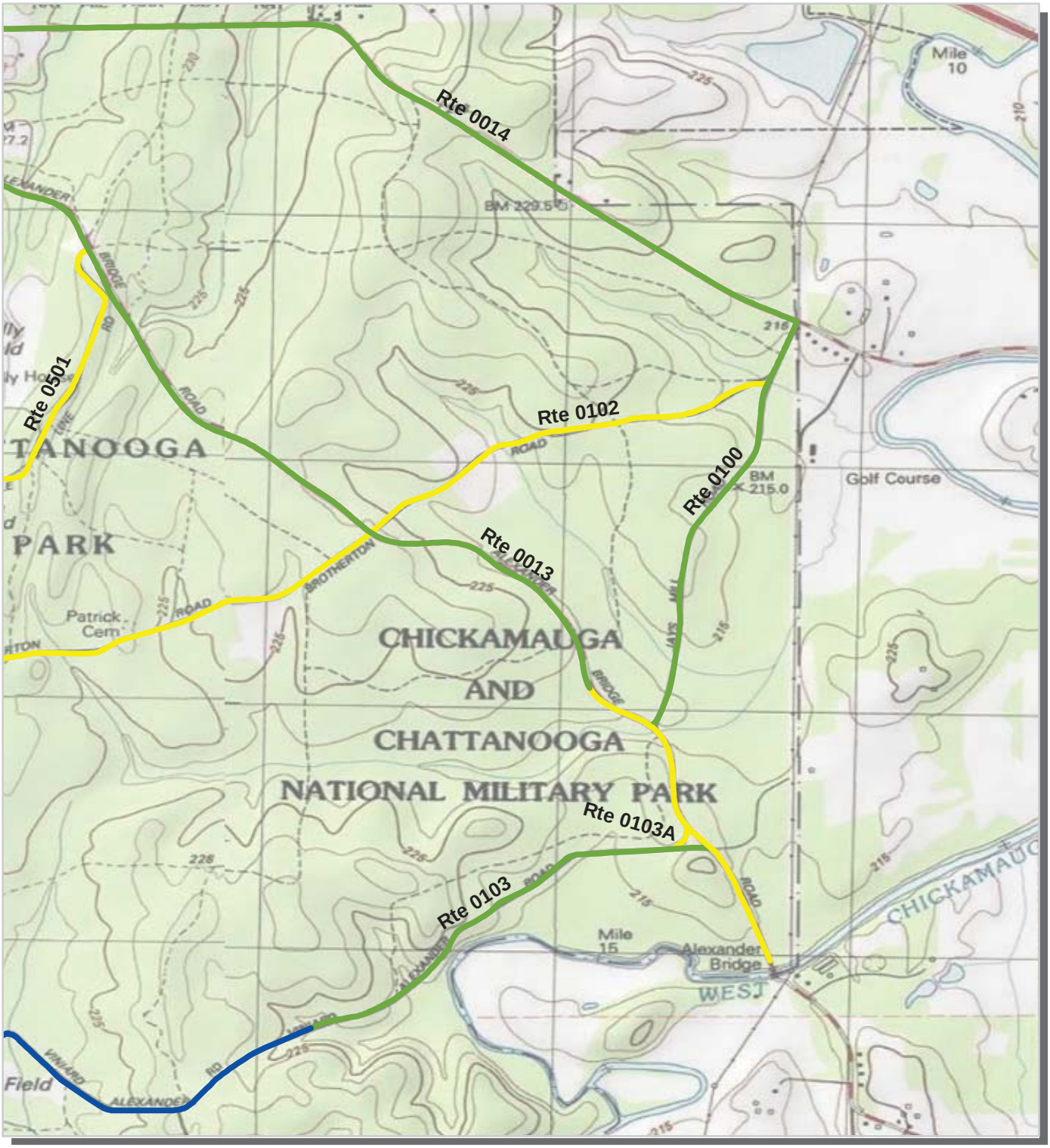
PCR	Poor	Fair	Good	Excellent	No Data
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

0.25 0.125 0 0.25 Miles

N

Chickamauga and Chattanooga National Military Park
Route Condition Map
PCR - Mile by Mile
Area 6



PCR	Poor	Fair	Good	Excellent	No Data
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)	

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

0.5 0.25 0 0.5 Miles

N

Chickamauga & Chattanooga National Military Park

Section 4
Park Route Inventory

NPS/RIP Route ID Report

Shading Color Key:
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CHCH

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0010	61664		MCFARLAND GAP ROAD	FROM PARK BOUNDARY	TO INTERSECTION OF ROUTE 0011 (LAFAYETTE ROAD) AND 0014 (REEDS BRIDGE ROAD)	N/A	0.910	0.000	0.910	1		0	AS	4
0011	61665		LAFAYETTE ROAD	FROM HARKER ROAD ON LEFT AND RIGHT	TO SOUTH PARK BOUNDARY	N/A	3.380	0.000	3.380	1		0	AS	4, 5
0012	61684		VISITOR CENTER ACCESS	FROM ROUTE 0011 (LAFAYETTE ROAD) AT MP 0.20	TO ROUTE 0011 (LAFAYETTE ROAD) AT MP 0.27	N/A	0.100	0.000	0.100	2		0	AS	4
0013	61669		ALEXANDER BRIDGE ROAD	FROM ROUTE 0011 (LAFAYETTE ROAD) AT MP 0.49	TO PARK BOUNDARY	N/A	2.830	0.000	2.830	2		0	AS	4, 6
0013A	104785		ALEXANDER BRIDGE ROAD SPUR	FROM ROUTE 0011 (LAFAYETTE ROAD)	TO ROUTE 0013 (ALEXANDER BRIDGE ROAD)	N/A	0.020	0.000	0.020	2		2,323	AS	4
0014	225734		REEDS BRIDGE ROAD	FROM INTERSECTION OF ROUTES 0011 (LAFAYETTE ROAD) AND 0010 (MCFARLAND GAP ROAD)	TO PARK BOUNDARY	N/A	1.980	0.000	1.980	1		0	AS	4, 6
0100	61667		JAYS MILL ROAD	FROM ROUTE 0014 (REEDS BRIDGE ROAD) AT MP 1.97	TO ROUTE 0013 (ALEXANDER BRIDGE ROAD)	N/A	1.100	0.000	1.100	2		0	AS	6
0101	61674		DYER ROAD	FROM ROUTE 0105 (CHICK-VITTETOE ROAD) AT MP 0.87	TO ROUTE 0011 (LAFAYETTE ROAD)	N/A	0.760	0.000	0.760	2		0	AS	4
0102	61670		BROTHERTON ROAD	FROM ROUTE 0011 (LAFAYETTE ROAD) AT MP 1.82	TO ROUTE 0100 (JAYS MILL ROAD)	N/A	1.960	0.000	1.960	2		0	AS	4, 6
0103	66860		VINIARD ALEXANDER ROAD	FROM ROUTE 0011 (LAFAYETTE ROAD) AT MP 2.80	TO ROUTE 0013 (ALEXANDER BRIDGE ROAD)	N/A	2.020	0.000	2.020	2		0	AS	5, 6
0103A	104786		VINIARD ALEXANDER ROAD SPUR	FROM ROUTE 0013 (ALEXANDER BRIDGE ROAD)	TO ROUTE 0103 (VINIARD ALEXANDER ROAD)	N/A	0.060	0.000	0.060	2		0	AS	6
0104	61683		VITTETOE ROAD	FROM ROUTE 0112 (SNODGRASS ROAD)	TO ROUTE 0105 (CHICK-VITTETOE ROAD)	N/A	0.050	0.600	0.650	6		0	AS	4
0105	61672		CHICK-VITTETOE ROAD	FROM NORTHWEST PARK BOUNDARY	TO SOUTH PARK BOUNDARY	N/A	2.530	0.000	2.530	2		0	AS	4, 5
0106	61743		SANDERS ROAD	FROM TENNESSEE STATE ROUTE 58	TO TENNESSEE STATE ROUTE 148	N/A	0.770	0.000	0.770	2		0	AS	3
0108	61739		MILITARY STREET	FROM INTERSECTION OF ROUTE 0113 (CRAVENS TERRACE ROAD) AND SHINGLE ROAD	TO TENNESSEE STATE ROUTE 148	N/A	0.280	0.000	0.280	2		16,262	AS	3

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CHCH

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0109	61741		CAROLINE STREET	FROM ROUTE 0108 (MILITARY STREET)	TO END OF PAVEMENT	N/A	0.170	0.000	0.170	2		9,874	AS	3
0112	61675		SNODGRASS ROAD	FROM ROUTE 0500 (GLENN KELLEY ROAD) AT MP 1.29	TO END OF LOOP	N/A	0.450	0.000	0.450	1		0	AS	4
0113	61736		CRAVENS TERRACE ROAD	FROM INTERSECTION OF ROUTE 0108 (MILITARY STREET) AND SHINGLE ROAD	TO TENNESSEE STATE ROUTE 148	N/A	0.830	0.000	0.830	1		48,206	AS	3
0201	61744		SANDERS ROAD PICNIC AREA ACCESS ROAD	FROM ROUTE 0106 (SANDERS ROAD) AT MP 0.55	TO ROUTE 0106 (SANDERS ROAD) AT MP 0.26	N/A	0.380	0.000	0.380	3		0	AS	3
0203	101927		MOBE ACCESS ROAD BLUE BLAZES	FROM PINEVILLE ROAD	TO END	N/A	0.000	0.080	0.080	4		0	GR	
0205	61940		ACCESS ROAD ORCHARD KNOB RESERVATION	FROM NORTH ORCHARD KNOB AVENUE	TO ORCHARD KNOB RESERVATION	N/A	0.300	0.000	0.300	3		3,791	AS	2
0400	61691		MULLIS VITTETOE ROAD	FROM ROUTE 0010 (MCFARLAND GAP ROAD)	TO PARK BOUNDARY	N/A	0.000	0.150	0.150	6		0	GR	
0404	61676		SNODGRASS ACCESS ROAD	FROM ROUTE 0400 (MULLIS VITTETOE ROAD)	TO ROUTE 0112 (SNODGRASS ROAD)	N/A	0.000	0.250	0.250	6		0	GR	
0405	61686		SAVANNNAH ROAD	FROM ROUTE 0407 (MAINTENANCE COMPOUND ACCESS ROAD)	TO ROUTE 0500 (GLENN KELLEY ROAD)	N/A	0.000	0.660	0.660	6		0	GR	
0406	61690		SOUTH POST ROAD	FROM ROUTE 0405 (SAVANNNAH ROAD)	TO ROUTE 0405 (SAVANNNAH ROAD)	N/A	0.000	0.250	0.250	6		0	GR	
0407	61687		MAINTENANCE COMPOUND ACCESS ROAD	FROM ROUTE 0937 (MAINTENANCE YARD)	TO ROUTE 0101 (DYER ROAD)	N/A	0.160	0.100	0.260	6		0	AS	4
0408	61689		SOUTH CAROLINA MONUMENT ROAD	FROM ROUTE 0104 (VITTETOE ROAD)	TO MONUMENT	N/A	0.000	0.130	0.130	6		0	GR	
0409	61681		DALTON FORD ROAD	FROM ROUTE 0103 (VINIARD ALEXANDER ROAD)	TO END	N/A	0.000	1.040	1.040	6		0	GR	
0410	61680		THEDFORD FORD ROAD	FROM ROUTE 0409 (DALTON FORD ROAD)	TO FORD	N/A	0.000	0.420	0.420	6		0	GR	
0411	61732		POINT PARK ACCESS ROAD	FROM POINT PARK ENTRANCE GATE	TO END OF LOOP	N/A	0.270	0.000	0.270	6		18,105	AS	3
0412	109915		SERVICE ROAD WILLIAMS HOUSE PROPERTY	FROM CRAVEN'S TERRACE ROAD	TO END	N/A	0.000	0.100	0.100	5		0	GR	
0413	101398		MOBE MOCCASIN BEND SERVICE ROAD	FROM PINEVILLE ROAD	TO ARCHEOLOGICAL SITES	N/A	0.000	1.500	1.500	6		0	GR	

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CHCH

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0414	225808		ACCESS ROAD HQ ADMINISTRATION BUILDING	FROM ROUTE 0011 (LAFAYETTE ROAD)	TO END OF LOOP	N/A	0.460	0.000	0.460	5		8,698	AS	4
0500	61673		GLENN KELLEY ROAD	FROM ROUTE 0105 (CHICK-VITTETOE ROAD) AT MP 1.39	TO ROUTE 0011 (LAFAYETTE ROAD)	N/A	2.010	0.000	2.010	1		0	AS	4, 5
0501	61666		BATTLELINE ROAD	FROM ROUTE 0013 (ALEXANDER BRIDGE ROAD) AT MP 0.36	TO INTERSECTION OF ROUTES 0011 (LAFAYETTE ROAD) AND 0502 (POE ROAD)	N/A	0.820	0.000	0.820	1		0	AS	4, 6
0502	61682		POE ROAD	FROM ROUTE 0011 (LAFAYETTE ROAD) AT MP 1.36	TO ROUTE 0011 (LAFAYETTE ROAD) MP 1.63	N/A	0.340	0.000	0.340	1		0	AS	4
0503	61671		GLEN VINIARD ROAD	FROM ROUTE 0011 (LAFAYETTE ROAD) AT MP 2.97	TO ROUTE 0105 (CHICK-VITTETOE ROAD)	N/A	0.780	0.000	0.780	1		0	AS	5
0600	104777		DRY VALLEY ROAD	FROM ROUTE 0105 (CHICK-VITTETOE ROAD) AT MP 0.35	TO PARK BOUNDARY AT RAILROAD	N/A	0.040	0.000	0.040	8		0	AS	4
0601	104773		LYTLE STATION ROAD	FROM ROUTE 0105 (CHICK-VITTETOE ROAD) AT MP 0.95	TO PARK BOUNDARY AT RAILROAD	N/A	0.060	0.000	0.060	8		0	AS	4
0602	104783		TOWER ROAD	FROM ROUTE 0105 (CHICK-VITTETOE ROAD) AT MP 1.70	TO PARK BOUNDARY AT RAILROAD	N/A	0.040	0.000	0.040	8		0	AS	5
0900	75216		MULLIS VITTETOE PARKING	FROM ROUTE 0010 (MCFARLAND GAP ROAD) AT MP 0.28	TO ROUTE 0400 (MULLIS VITTETOE ROAD)	N/A	0.000	0.000	0.000			3,328	AS	4
0901	75223		PARKING MULLIS ROAD	FROM ROUTE 0010 (MCFARLAND GAP ROAD) AT MP 0.50	TO ROUTE 0010 (MCFARLAND GAP ROAD)	N/A	0.000	0.000	0.000			7,446	AS	4
0902	75225		TENNESSEE MONUMENT PARKING AREA	ADJACENT TO ROUTE 0014 (REEDS BRIDGE ROAD) ON RIGHT		N/A	0.000	0.000	0.000			763	AS	6
0903	75226		PARKING AREA ON LEFT REEDS BRIDGE ROAD	ADJACENT TO ROUTE 0014 (REEDS BRIDGE ROAD) ON LEFT		N/A	0.000	0.000	0.000			2,644	AS	6
0904	75228		BRANNANS DIVISION MONUMENT PARKING ON RIGHT	ADJACENT TO ROUTE 0014 (REEDS BRIDGE ROAD) ON RIGHT		N/A	0.000	0.000	0.000			1,819	AS	6

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CHCH

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0905	75232		ILLINOIS MONUMENT PARKING AREA	ADJACENT TO ROUTE 0014 (REEDS BRIDGE ROAD) ON RIGHT		N/A	0.000	0.000	0.000			1,225	AS	6
0906	75234		VISITOR CENTER PARKING CHCH	FROM ROUTE 0012 (VISITOR CENTER ACCESS)	TO ROUTE 0907 (VISITOR CENTER OVERFLOW PARKING CHCH)	N/A	0.000	0.000	0.000			15,875	AS	4
0907	75237		VISITOR CENTER OVERFLOW PARKING CHCH	FROM ROUTE 0012 (VISITOR CENTER ACCESS)	TO ROUTE 0906 (VISITOR CENTER PARKING CHCH)	N/A	0.000	0.000	0.000			31,108	AS	4
0908	75240		PARKING TOUR STOP #1	FROM ROUTE 0011 (LAFAYETTE ROAD)	TO PARKING	N/A	0.000	0.000	0.000			6,463	AS	4
0909	75243		BROTHERTON CABIN PARKING AREA	ADJACENT TO ROUTE 0011 (LAFAYETTE ROAD) ON RIGHT		N/A	0.000	0.000	0.000			822	AS	4
0910	75245		KENTUCKY MONUMENT PARKING AREA	ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON RIGHT		N/A	0.000	0.000	0.000			1,517	AS	4
0911	75249		GEORGIA MONUMENT PARKING AREA	ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON LEFT		N/A	0.000	0.000	0.000			781	AS	6
0912	75251		HELM/COLQUITT MONUMENTS PARKING	ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON LEFT		N/A	0.000	0.000	0.000			453	AS	6
0913	75252		PARKING AREA ON LEFT ALEXANDER BRIDGE ROAD	ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON LEFT		N/A	0.000	0.000	0.000			705	AS	6
0914	75255		PARKING AREA ON RIGHT ALEXANDER BRIDGE ROAD	ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON RIGHT		N/A	0.000	0.000	0.000			662	AS	6
0915	75259		COST OF CHICKAMAUGA INTERPRETIVE TRAIL PARKING	ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON RIGHT		N/A	0.000	0.000	0.000			715	AS	6
0916	75262		SMITH MONUMENT PARKING	ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON RIGHT		N/A	0.000	0.000	0.000			707	AS	6
0917	75264		PARKING ALEXANDER BRIDGE ON LEFT AT HORSE TRAIL	ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON LEFT		N/A	0.000	0.000	0.000			9,103	AS	6
0918	75266		PARKING ALEXANDER BRIDGE ON RIGHT AT HORSE TRAIL	ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON RIGHT		N/A	0.000	0.000	0.000			7,712	AS	6

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CHCH

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0919	75267		PARKING AREA VINIARD ALEXANDER BRIDGE	ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ACROSS FROM ROUTE 0103 (VINIARD ALEXANDER ROAD)		N/A	0.000	0.000	0.000			487	AS	6
0920	75271		ALEXANDER BRIDGE PARKING	ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD)		N/A	0.000	0.000	0.000			1,802	AS	6
0921	75273		PARKING ON RIGHT CONFEDERATES CREEK CROSSING	ADJACENT TO ROUTE 0100 (JAYS MILL ROAD) ON RIGHT		N/A	0.000	0.000	0.000			437	AS	6
0922	75277		JAY'S MILL PARKING ON RIGHT	ADJACENT TO ROUTE 0100 (JAYS MILL ROAD) ON RIGHT		N/A	0.000	0.000	0.000			840	AS	6
0923	75280		DYER HOUSE PARKING ON LEFT	ADJACENT TO ROUTE 0101 (DYER ROAD) ON LEFT		N/A	0.000	0.000	0.000			699	AS	4
0924	75283		PARKING BROTHERTON PICNIC AREA	FROM ROUTE 0102 (BROTHERTON ROAD) ON RIGHT	TO ROUTE 0102 (BROTHERTON ROAD)	N/A	0.000	0.000	0.000			7,906	AS	6
0925	75286		WILDER BRIGADE MONUMENT PARKING	ADJACENT TO ROUTE 0105 (CHICK-VITTETOE ROAD) ON LEFT		N/A	0.000	0.000	0.000			2,245	AS	5
0926	75289		CRAVENS HOUSE PARKING	FROM ROUTE 0113 (CRAVENS TERRACE ROAD)	TO PARKING	N/A	0.000	0.000	0.000			9,411	AS	3
0927	75292		POINT PARK VISITOR CENTER PARKING	FROM EAST BROW ROAD	TO PARKING	N/A	0.000	0.000	0.000			11,562	AS	3
0928	75295		SNODGRASS CABIN PARKING	ADJACENT TO ROUTE 0112 (SNODGRASS ROAD) AT SNODGRASS CABIN		N/A	0.000	0.000	0.000			5,642	AS	4
0929	75298		SNODGRASS HILL PARKING	ADJACENT TO ROUTE 0112 (SNODGRASS ROAD) ON RIGHT		N/A	0.000	0.000	0.000			3,190	AS	4
0930	75300		PARKING TOUR STOP 7 (GLENN KELLY ROAD)	ADJACENT TO ROUTE 0500 (GLENN KELLEY ROAD)		N/A	0.000	0.000	0.000			1,501	AS	4
0931	75301		PARKING ON RIGHT GLENN KELLY & DYER ROAD	ADJACENT TO ROUTE 0500 (GLENN KELLEY ROAD) ON RIGHT		N/A	0.000	0.000	0.000			1,873	AS	4
0932	75303		SOUTH CAROLINA MONUMENT PARKING	ADJACENT TO ROUTE 0500 (GLENN KELLEY ROAD) AT SOUTH CAROLINA MONUMENT		N/A	0.000	0.000	0.000			1,182	AS	4

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CHCH

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0933	75305		SOUTH POST PARKING	ADJACENT TO ROUTE 0405 (SAVANNNAH ROAD) NEAR ROUTE 0500 (GLENN KELLEY ROAD)		N/A	0.000	0.000	0.000			826	AS	4
0934	75308		PARKING TOUR STOP 2 (BATTLELINE ROAD)	ADJACENT TO ROUTE 0501 (BATTLELINE ROAD) AT THE BATTLE LINE MONUMENT		N/A	0.000	0.000	0.000			638	AS	6
0935	75310		PARKING TOUR STOP 3 (POE ROAD)	ADJACENT TO ROUTE 0502 (POE ROAD) AT MIX UP IN UNION COMMAND MONUMENT		N/A	0.000	0.000	0.000			777	AS	4
0936	75313		PARKING TOUR STOP 6 (WILDER TOWER)	FROM ROUTE 0503 (GLEN VINIARD ROAD) AT WILDER BRIGADE MONUMENT	TO PARKING	N/A	0.000	0.000	0.000			23,966	AS	5
0937	75318		MAINTENANCE YARD	FROM ROUTE 0407 (MAINTENANCE COMPOUND ACCESS ROAD)	TO PARKING	N/A	0.000	0.000	0.000			26,256	AS	4
0938	75321		PARKING DELONG RESERVATION	ADJACENT TO N CREST ROAD		N/A	0.000	0.000	0.000			3,277	CO	2
0941	101838		MOBE PARKING BLUE BLAZES TRAIL	ADJACENT TO MOBE ACCESS ROAD		N/A	0.000	0.000	0.000			0	GR	
0943	109886		RECREATION FIELD PARKING AREA	ADJACENT TO ROUTE 0500 (GLENN KELLEY ROAD)		N/A	0.000	0.000	0.000			0	GR	
0944	109887		LOM PARKING BRIDGE OVERLOOK	FROM US HIGHWAY 318	TO GARDEN ROAD	N/A	0.000	0.000	0.000			12,061	AS	3
0945	101575		LOM PARKING LAST BATTLE OF THE REVOLUTION	ADJACENT TO STATE ROUTE 148		N/A	0.000	0.000	0.000			0	GR	
0946	101573		LOM PARKING SUNSET ROCK	ADJACENT TO WEST BROW ROAD		N/A	0.000	0.000	0.000			2,095	AS	3
0952	101574		LOM PARKING OCHS GATEWAY	ADJACENT TO FRONTIER LANE (SR-DADE COUNTY 157)		N/A	0.000	0.000	0.000			0	GR	
0953	89502		REEDS BRIDGE PICNIC AREA PARKING	FROM ROUTE 0014 (REEDS BRIDGE ROAD)	TO PARKING	N/A	0.000	0.000	0.000			11,330	AS	4
0954	61939		SIGNAL POINT PARKING	FROM SIGNAL POINT ROAD	TO PARKING	N/A	0.000	0.000	0.000			12,261	AS	1
0955ZZ	225753		SANDERS PICNIC AREA PARKING AREAS	ADJACENT TO ROUTE 0201 (SANDERS ROAD PICNIC AREA ACCESS ROAD)		N/A	0.000	0.000	0.000			6,760	AS	3

NPS/RIP Route ID Report

Shading Color Key: Red text denotes approx. mileage

White = Paved Routes, ARAN Driven | Yellow = Unpaved Routes, ARAN not Driven | Blue = All Paved Parking Areas | Green = All Unpaved Parking Areas

Grey = Paved Routes, ARAN not Driven | Black = Paved State, Local or Private non-NPS Routes, ARAN Driven | = Concession Route Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

CHCH

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Rte. No.	FMSS No.	Concess Route	Route Name	Route Description From	Route Description To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type	Area Maps
0956	109889		US 27 PICNIC AREA PARKING	FROM US 27 BYPASS (BATTLEFIELD BYPASS)	TO PARKING	N/A	0.000	0.000	0.000			22,063	AS	4

SUMMARY TOTALS FOR CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

ROUTE TOTALS

ARAN Driven Route Miles	23.530
All Paved Route Miles	25.860
All Unpaved Route Miles	5.280
TOTAL PARK ROUTE MILES	31.140
All Manually Rated Roads (SQFT)	107,259

LANE MILE TOTALS

ARAN Driven Lane Miles	41.142
Paved Parking Lane Miles	4.558
Paved MRR Lane Miles	1.847
TOTAL PAVED LANE MILES	47.547

CONCESSION TOTALS

Concession Paved Route Miles	0.000
Concession Unpaved Route Miles	0.000
Concession Paved Parking Area SQFT	0
Concession Unpaved Parking Area SQFT	0
Concession Paved MRR SQFT	0

PARKING AREA TOTALS

All Paved Parking (SQFT)	264,932
All Unpaved Parking (SQFT)	0
TOTAL ALL PARKING (SQFT)	264,932

WEIGHTED AVERAGE PARK VALUES

PCR (Rating)	SCR (Rating)	RCI (Rating)	RUT (Index)	AC (Index)	LC (Index)	TC (Index)	PATCH (Index)	PCR (Concession)
82.19	83.19	93.09	96.70	98.85	93.00	95.25	99.40	N/A

NPS/RIP Route ID Report

Shading Color Key:
Red text denotes approx. mileage

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

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

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.

****

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.

5000 route numbers are assigned to Non-NPS Routes that are State, County or City owned which border, traverse, or provide access to Park Facilities or Assets. 5000 Routes are driven for GPS, Video Log and Road Features only.

Surface Type Abbreviations:

AS - Asphaltic Concrete Pavement

CO - Portland Cement Concrete Pavement

BR - Brick or Pavers Road Bed

CB - Cobble Stone Road Bed

GR - Gravel Road Bed

SA - Sand Road Bed

NV - Native or Dirt Material Road Bed

OT - Other Materials Road Bed

NPS/RIP Subcomponent Details for CHCH

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, ARAN Driven
Yellow = Unpaved Routes, ARAN not Driven
Blue = All Paved Parking Areas
Green = All Unpaved Parking Areas
Grey = Paved Routes, ARAN not Driven
Black = Paved State, Local or Private non-NPS Routes, ARAN Driven
= Concession Route Flag ON
= Subcomponent Flag ON

** Unpaved Routes displayed on report were obtained from FMSS database and not inventoried by Road Inventory Program (RIP)

CHCH

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Asset Entered in FMSS System

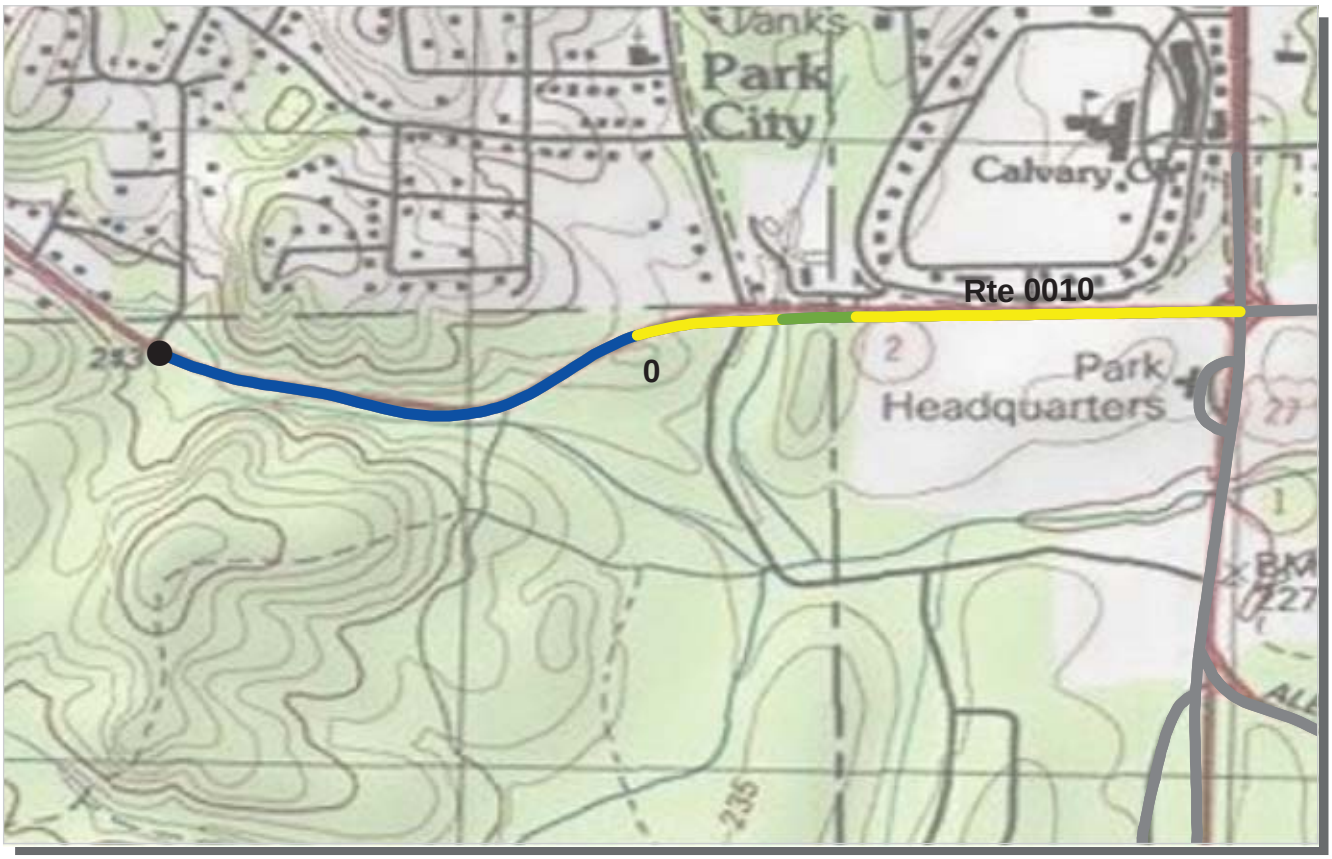
Rte. No.	FMSS No.	Sub Comp	Route Name	Route Description From	Route Description To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0955ZZ	225753		SANDERS PICNIC AREA PARKING AREAS	ADJACENT TO ROUTE 0201 (SANDERS ROAD PICNIC AREA ACCESS ROAD)				0.00	0.00	0.00	6,760

Asset CHCH-0955ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Sub Comp	Route Name	Route Description From	Route Description To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0955AZ	225753	■	SANDERS PICNIC PARKING A	ADJACENT TO ROUTE 0201 (SANDERS ROAD PICNIC AREA ACCESS ROAD) ON RIGHT				0.00	0.00	0.00	2,235
0955BZ	225753	■	SANDERS PICNIC PARKING B	ADJACENT TO ROUTE 0201 (SANDERS ROAD PICNIC AREA ACCESS ROAD) ON LEFT				0.00	0.00	0.00	4,524

Chickamauga & Chattanooga National Military Park

Section 5
Paved Route Condition Rating Sheets (CRS)



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0010 MCFARLAND GAP ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

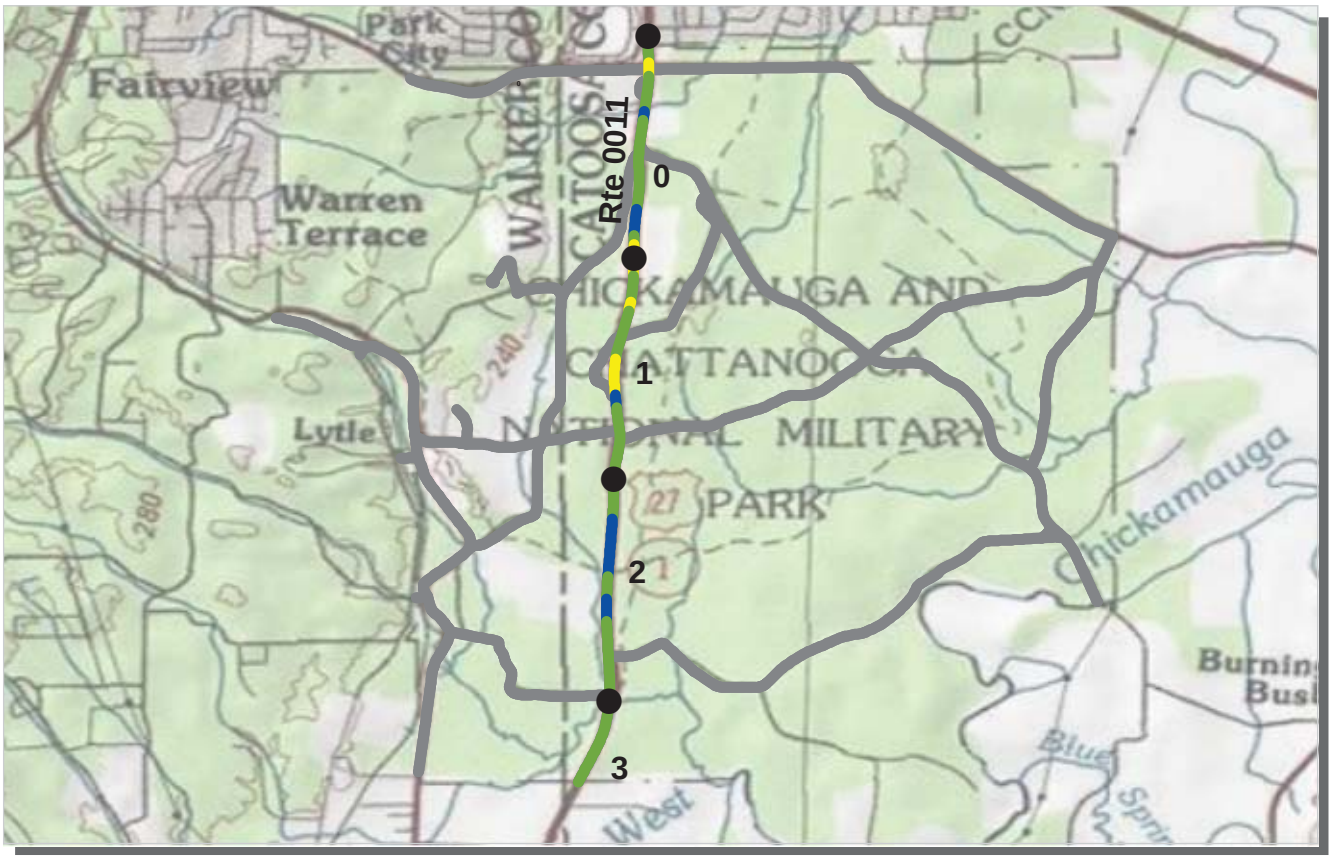
COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 0.91 Miles**

Section Number	0				
Section Length (mi)	0.91				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	27				
Lane Width (ft)	11				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	77				
PCR (Pavement Condition Rating)	84				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	92				
Tranverse Cracking Index	93				
Patching Index	100				
Rutting Index	92				
Roughness Condition Index (RCI)	96				

NC - Not Collected

ROUTE: 0010 MCFARLAND GAP ROAD



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

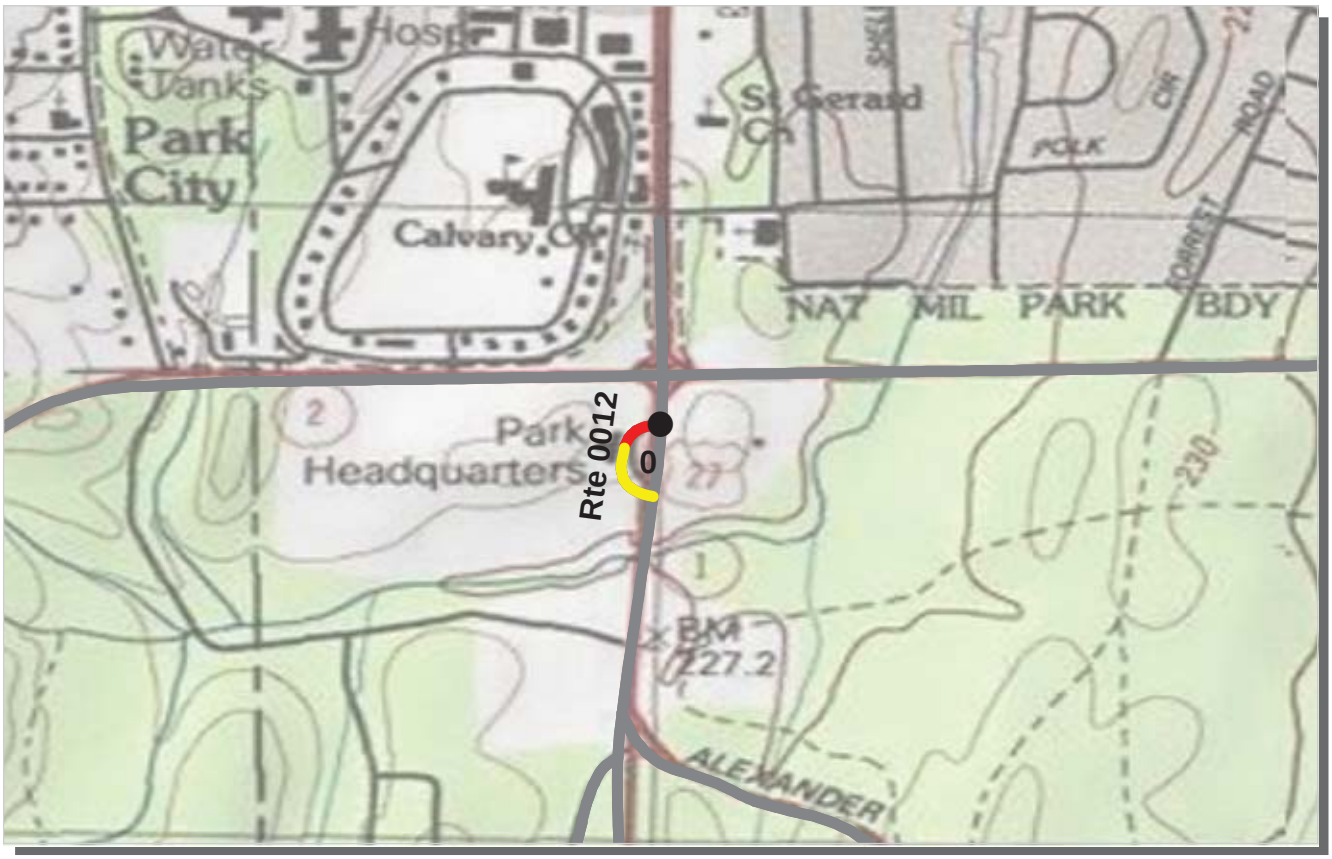
ROUTE: 0011 LAFAYETTE ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 3.38 Miles**

Section Number	0	1	2	3	
Section Length (mi)	1.00	1.00	1.00	0.38	
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	3	2	2	2	
Paved Width (ft)	28	24	24	25	
Lane Width (ft)	11	11	11	11	
Shoulder Width Right (ft)	NC	NC	NC	NC	
Shoulder Width Left (ft)	NC	NC	NC	NC	
Roadway Condition Information					
SCR (Surface Condition Rating)	84	82	87	86	
PCR (Pavement Condition Rating)	89	88	92	91	
Distress Index Values					
Alligator Cracking Index	100	100	100	100	
Longitudinal Cracking Index	93	92	94	93	
Tranverse Cracking Index	95	94	95	95	
Patching Index	99	100	100	100	
Rutting Index	97	96	98	97	
Roughness Condition Index (RCI)	98	100	100	100	

NC - Not Collected



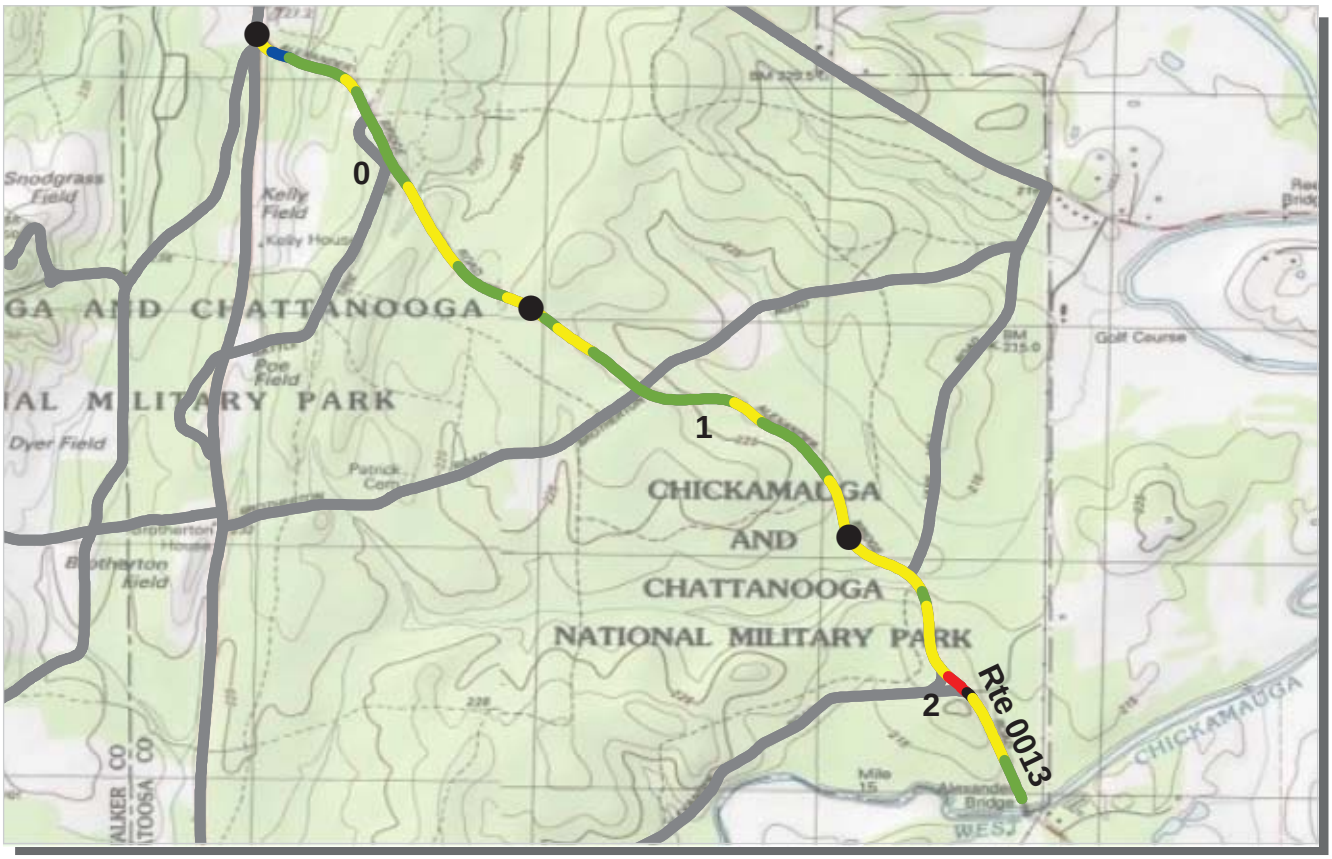
PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0012 VISITOR CENTER ACCESS
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK
COLLECTED: 6/2/2009
SOUTHEAST REGION **TOTAL LENGTH: 0.10 Miles**

Section Number	0				
Section Length (mi)	0.10				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	20				
Lane Width (ft)	19				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	61				
PCR (Pavement Condition Rating)	61				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	89				
Tranverse Cracking Index	84				
Patching Index	100				
Rutting Index	88				
Roughness Condition Index (RCI)	NC				

NC - Not Collected



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0013 ALEXANDER BRIDGE ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 2.83 Miles**

Section Number	0	1	2		
Section Length (mi)	1.00	1.00	0.83		
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	20	20	20		
Lane Width (ft)	9	9	9		
Shoulder Width Right (ft)	NC	NC	NC		
Shoulder Width Left (ft)	NC	NC	NC		
Roadway Condition Information					
SCR (Surface Condition Rating)	76	78	68		
PCR (Pavement Condition Rating)	85	85	77		
Distress Index Values					
Alligator Cracking Index	99	99	99		
Longitudinal Cracking Index	90	90	83		
Tranverse Cracking Index	89	93	89		
Patching Index	100	100	100		
Rutting Index	98	96	96		
Roughness Condition Index (RCI)	97	96	96		

NC - Not Collected

ROUTE: 0013 ALEXANDER BRIDGE ROAD

PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0014 REEDS BRIDGE ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 1.98 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.98			
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	21	20			
Lane Width (ft)	9	9			
Shoulder Width Right (ft)	NC	NC			
Shoulder Width Left (ft)	NC	NC			
Roadway Condition Information					
SCR (Surface Condition Rating)	92	92			
PCR (Pavement Condition Rating)	93	94			
Distress Index Values					
Alligator Cracking Index	100	100			
Longitudinal Cracking Index	98	98			
Tranverse Cracking Index	97	97			
Patching Index	100	100			
Rutting Index	97	96			
Roughness Condition Index (RCI)	95	98			

NC - Not Collected

ROUTE: 0014 REEDS BRIDGE ROAD

PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0100 JAYS MILL ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 1.10 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.10			
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	16	17			
Lane Width (ft)	8	8			
Shoulder Width Right (ft)	NC	NC			
Shoulder Width Left (ft)	NC	NC			
Roadway Condition Information					
SCR (Surface Condition Rating)	94	86			
PCR (Pavement Condition Rating)	91	86			
Distress Index Values					
Alligator Cracking Index	99	100			
Longitudinal Cracking Index	98	96			
Tranverse Cracking Index	99	94			
Patching Index	100	100			
Rutting Index	98	96			
Roughness Condition Index (RCI)	90	96			

NC - Not Collected

ROUTE: 0100 JAYS MILL ROAD

PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

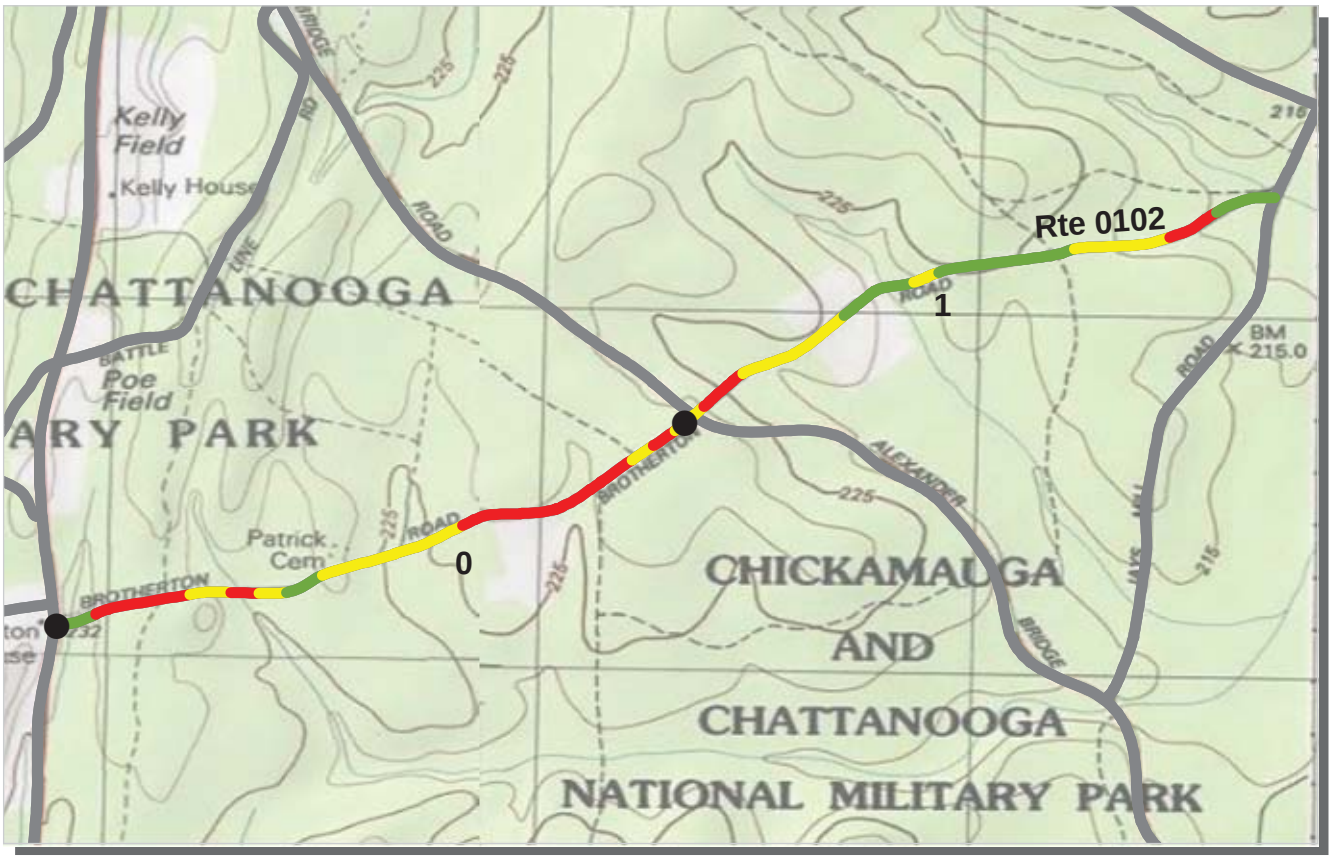
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

ROUTE: 0101 DYER ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK
COLLECTED: 6/2/2009
SOUTHEAST REGION **TOTAL LENGTH: 0.76 Miles**

Section Number	0				
Section Length (mi)	0.76				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	9				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	62				
PCR (Pavement Condition Rating)	66				
Distress Index Values					
Alligator Cracking Index	99				
Longitudinal Cracking Index	87				
Tranverse Cracking Index	88				
Patching Index	100				
Rutting Index	87				
Roughness Condition Index (RCI)	76				

NC - Not Collected

ROUTE: 0101 DYER ROAD



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0102 BROTHERTON ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 1.96 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.96			
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	15	15			
Lane Width (ft)	8	7			
Shoulder Width Right (ft)	NC	NC			
Shoulder Width Left (ft)	NC	NC			
Roadway Condition Information					
SCR (Surface Condition Rating)	58	74			
PCR (Pavement Condition Rating)	61	76			
Distress Index Values					
Alligator Cracking Index	86	98			
Longitudinal Cracking Index	87	84			
Tranverse Cracking Index	93	95			
Patching Index	100	100			
Rutting Index	92	97			
Roughness Condition Index (RCI)	66	80			

NC - Not Collected

ROUTE: 0102 BROTHERTON ROAD

PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

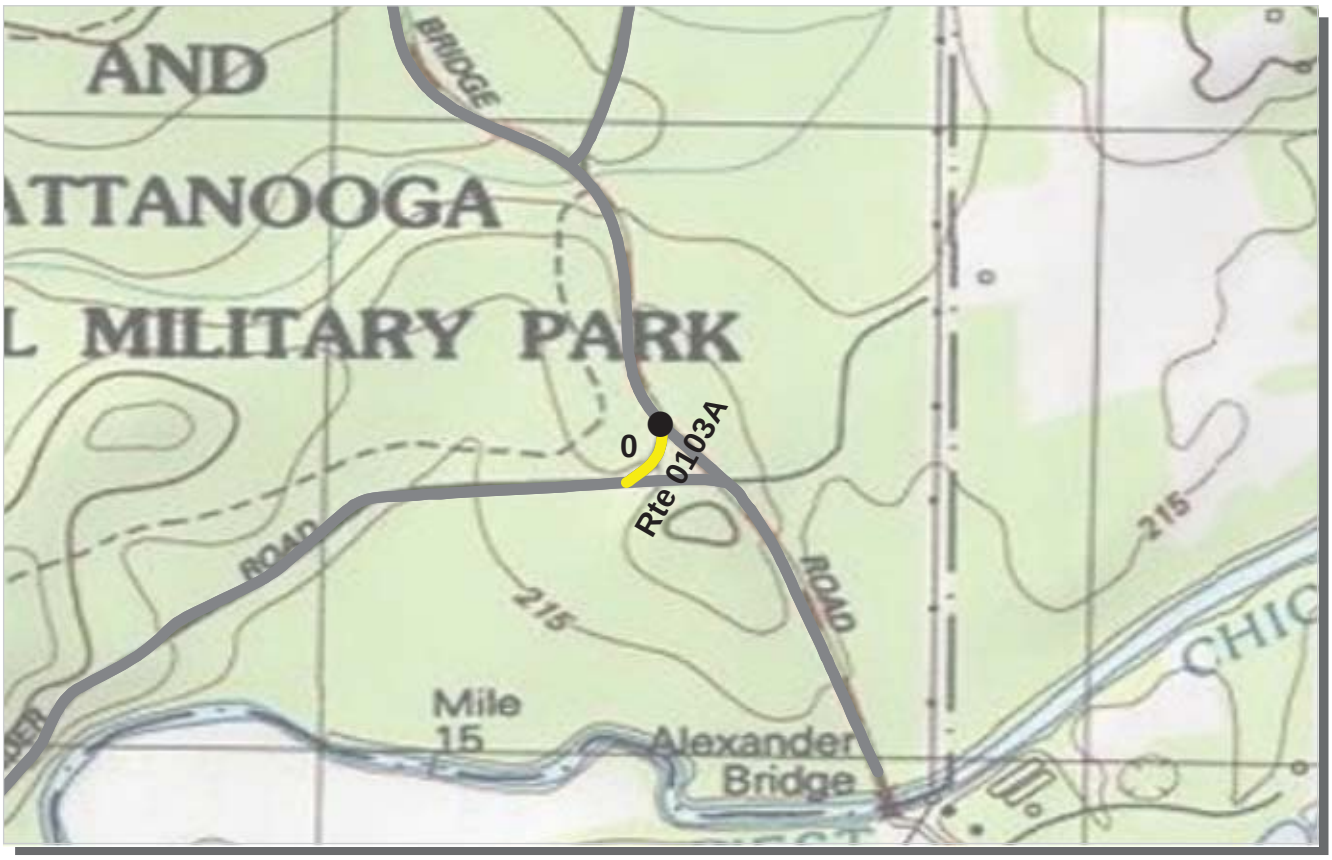
ROUTE: 0103 VINIARD ALEXANDER ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 2.02 Miles**

Section Number	0	1	2		
Section Length (mi)	1.00	1.00	0.02		
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	15	15	15		
Lane Width (ft)	8	7	8		
Shoulder Width Right (ft)	NC	NC	NC		
Shoulder Width Left (ft)	NC	NC	NC		
Roadway Condition Information					
SCR (Surface Condition Rating)	99	100	88		
PCR (Pavement Condition Rating)	95	93	88		
Distress Index Values					
Alligator Cracking Index	100	100	100		
Longitudinal Cracking Index	100	100	100		
Tranverse Cracking Index	100	100	100		
Patching Index	100	100	100		
Rutting Index	100	100	88		
Roughness Condition Index (RCI)	88	82	NC		

NC - Not Collected



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0103A VINIARD ALEXANDER ROAD SPUR
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 0.06 Miles**

Section Number	0				
Section Length (mi)	0.06				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	8				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	81				
PCR (Pavement Condition Rating)	81				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	96				
Tranverse Cracking Index	99				
Patching Index	100				
Rutting Index	85				
Roughness Condition Index (RCI)	NC				

NC - Not Collected

ROUTE: 0103A VINIARD ALEXANDER ROAD SPUR

PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0104 VITTETOE ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 0.05 Miles**

Section Number	0				
Section Length (mi)	0.05				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	8				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	81				
PCR (Pavement Condition Rating)	81				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	95				
Tranverse Cracking Index	97				
Patching Index	100				
Rutting Index	90				
Roughness Condition Index (RCI)	NC				

NC - Not Collected

ROUTE: 0104 VITTETOE ROAD

PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0105 CHICK-VITTETOE ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

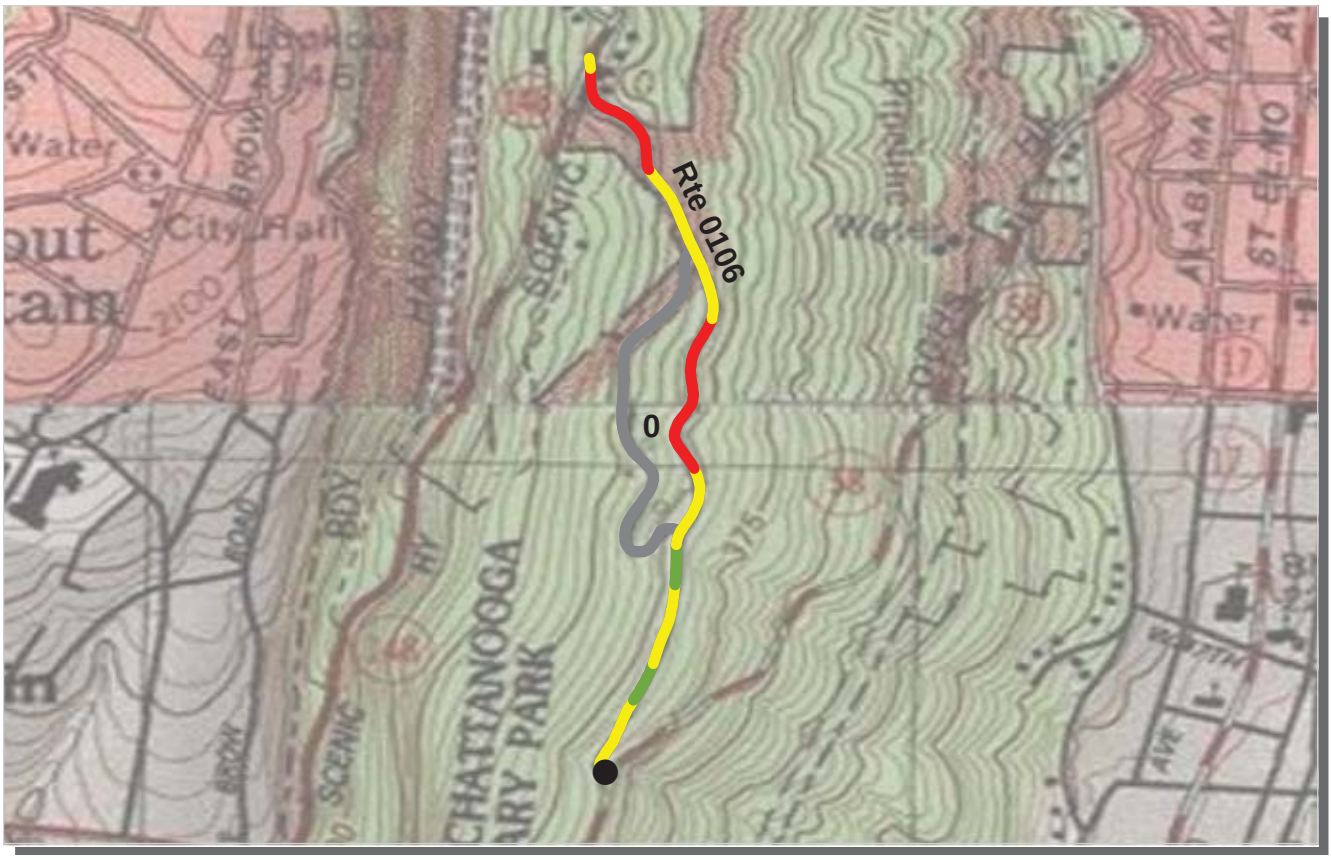
COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 2.53 Miles**

Section Number	0	1	2		
Section Length (mi)	1.00	1.00	0.53		
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	19	19	20		
Lane Width (ft)	9	9	10		
Shoulder Width Right (ft)	NC	NC	NC		
Shoulder Width Left (ft)	NC	NC	NC		
Roadway Condition Information					
SCR (Surface Condition Rating)	97	99	98		
PCR (Pavement Condition Rating)	96	98	96		
Distress Index Values					
Alligator Cracking Index	100	100	100		
Longitudinal Cracking Index	100	100	99		
Tranverse Cracking Index	100	100	100		
Patching Index	100	100	100		
Rutting Index	97	99	99		
Roughness Condition Index (RCI)	95	97	94		

NC - Not Collected

ROUTE: 0105 CHICK-VITTETOE ROAD



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0106 SANDERS ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 0.77 Miles**

Section Number	0				
Section Length (mi)	0.77				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	9				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	67				
PCR (Pavement Condition Rating)	67				
Distress Index Values					
Alligator Cracking Index	90				
Longitudinal Cracking Index	90				
Tranverse Cracking Index	97				
Patching Index	94				
Rutting Index	95				
Roughness Condition Index (RCI)	68				

NC - Not Collected

ROUTE: 0106 SANDERS ROAD

PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0112 SNODGRASS ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 0.45 Miles**

Section Number	0				
Section Length (mi)	0.45				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	85				
PCR (Pavement Condition Rating)	83				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	98				
Tranverse Cracking Index	100				
Patching Index	100				
Rutting Index	87				
Roughness Condition Index (RCI)	80				

NC - Not Collected

ROUTE: 0112 SNODGRASS ROAD

PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0201 SANDERS ROAD PICNIC AREA ACCESS ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 0.38 Miles**

Section Number	0				
Section Length (mi)	0.38				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	15				
Lane Width (ft)	15				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	76				
PCR (Pavement Condition Rating)	70				
Distress Index Values					
Alligator Cracking Index	99				
Longitudinal Cracking Index	93				
Tranverse Cracking Index	99				
Patching Index	100				
Rutting Index	86				
Roughness Condition Index (RCI)	44				

NC - Not Collected

ROUTE: 0201 SANDERS ROAD PICNIC AREA ACCESS ROAD

PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0407 MAINTENANCE COMPOUND ACCESS ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

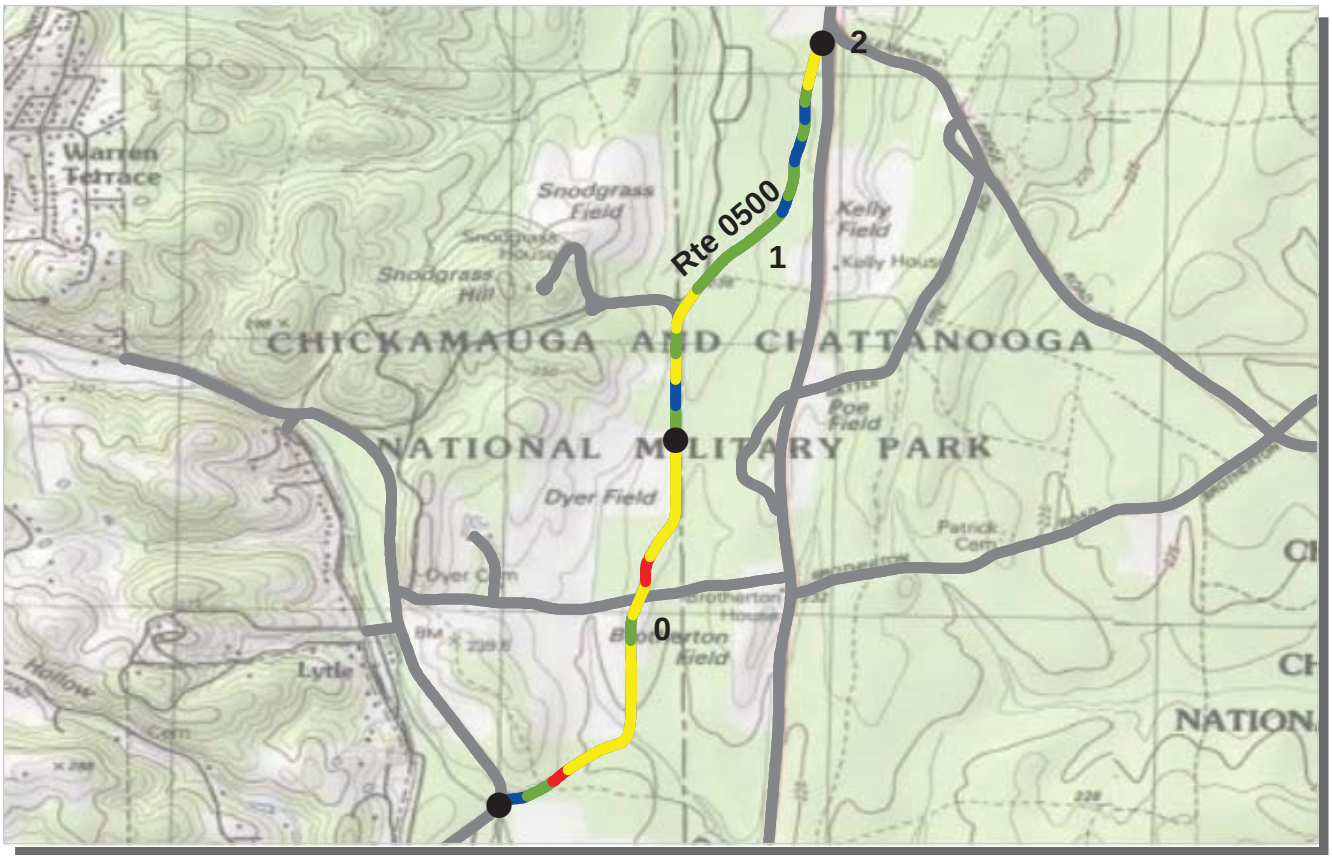
COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 0.16 Miles**

Section Number	0				
Section Length (mi)	0.16				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	15				
Lane Width (ft)	7				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	7				
PCR (Pavement Condition Rating)	9				
Distress Index Values					
Alligator Cracking Index	62				
Longitudinal Cracking Index	86				
Tranverse Cracking Index	90				
Patching Index	95				
Rutting Index	69				
Roughness Condition Index (RCI)	45				

NC - Not Collected

ROUTE: 0407 MAINTENANCE COMPOUND ACCESS ROAD



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0500 GLENN KELLEY ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 2.01 Miles**

Section Number	0	1	2		
Section Length (mi)	1.00	1.00	0.01		
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	1	1	1		
Paved Width (ft)	18	18	20		
Lane Width (ft)	18	18	20		
Shoulder Width Right (ft)	NC	NC	NC		
Shoulder Width Left (ft)	NC	NC	NC		
Roadway Condition Information					
SCR (Surface Condition Rating)	64	84	85		
PCR (Pavement Condition Rating)	71	86	85		
Distress Index Values					
Alligator Cracking Index	98	100	100		
Longitudinal Cracking Index	84	93	98		
Tranverse Cracking Index	92	99	97		
Patching Index	92	99	100		
Rutting Index	98	93	90		
Roughness Condition Index (RCI)	82	90	NC		

NC - Not Collected

PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0501 BATTLELINE ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

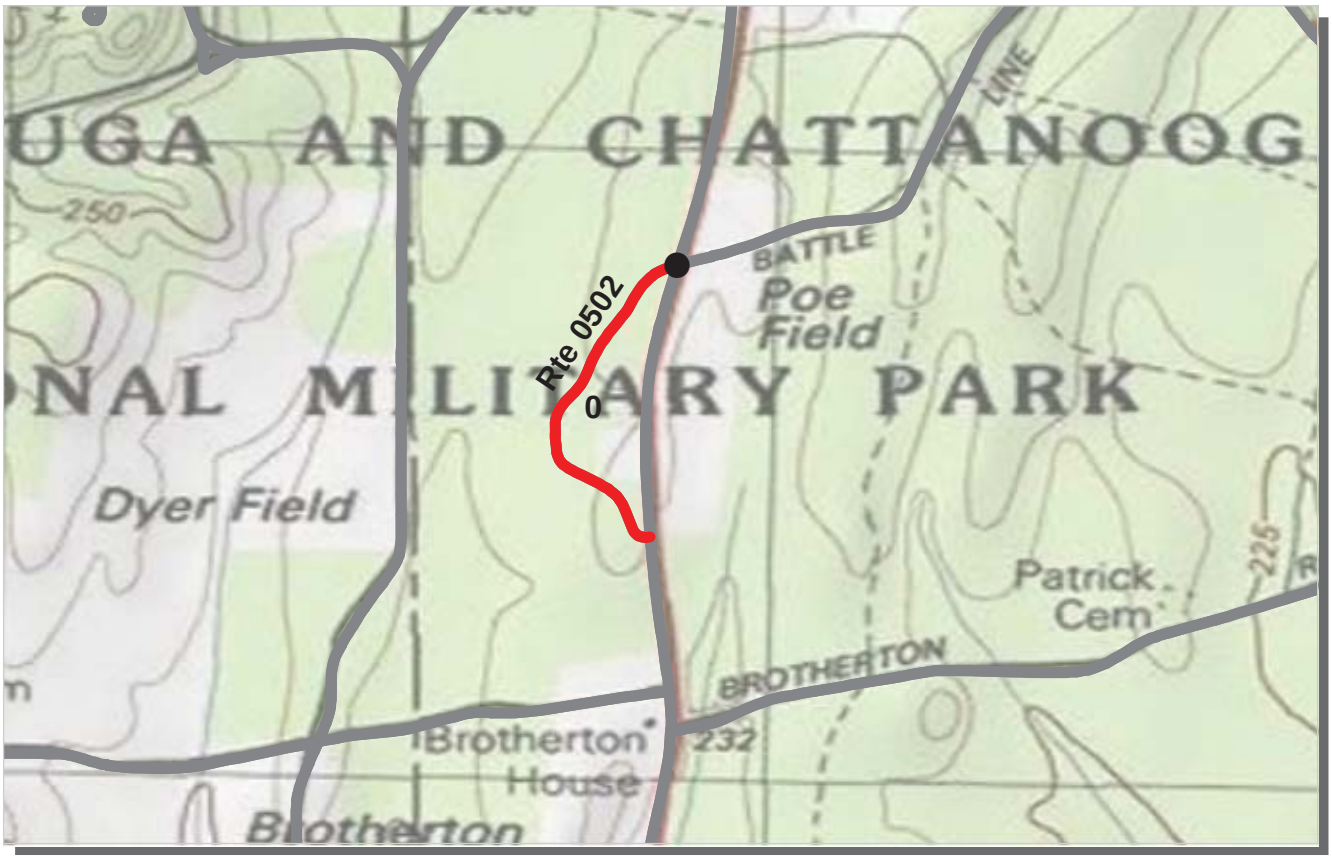
COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 0.82 Miles**

Section Number	0				
Section Length (mi)	0.82				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	16				
Lane Width (ft)	16				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	69				
PCR (Pavement Condition Rating)	75				
Distress Index Values					
Alligator Cracking Index	99				
Longitudinal Cracking Index	84				
Tranverse Cracking Index	92				
Patching Index	100				
Rutting Index	94				
Roughness Condition Index (RCI)	85				

NC - Not Collected

ROUTE: 0501 BATTLELINE ROAD



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

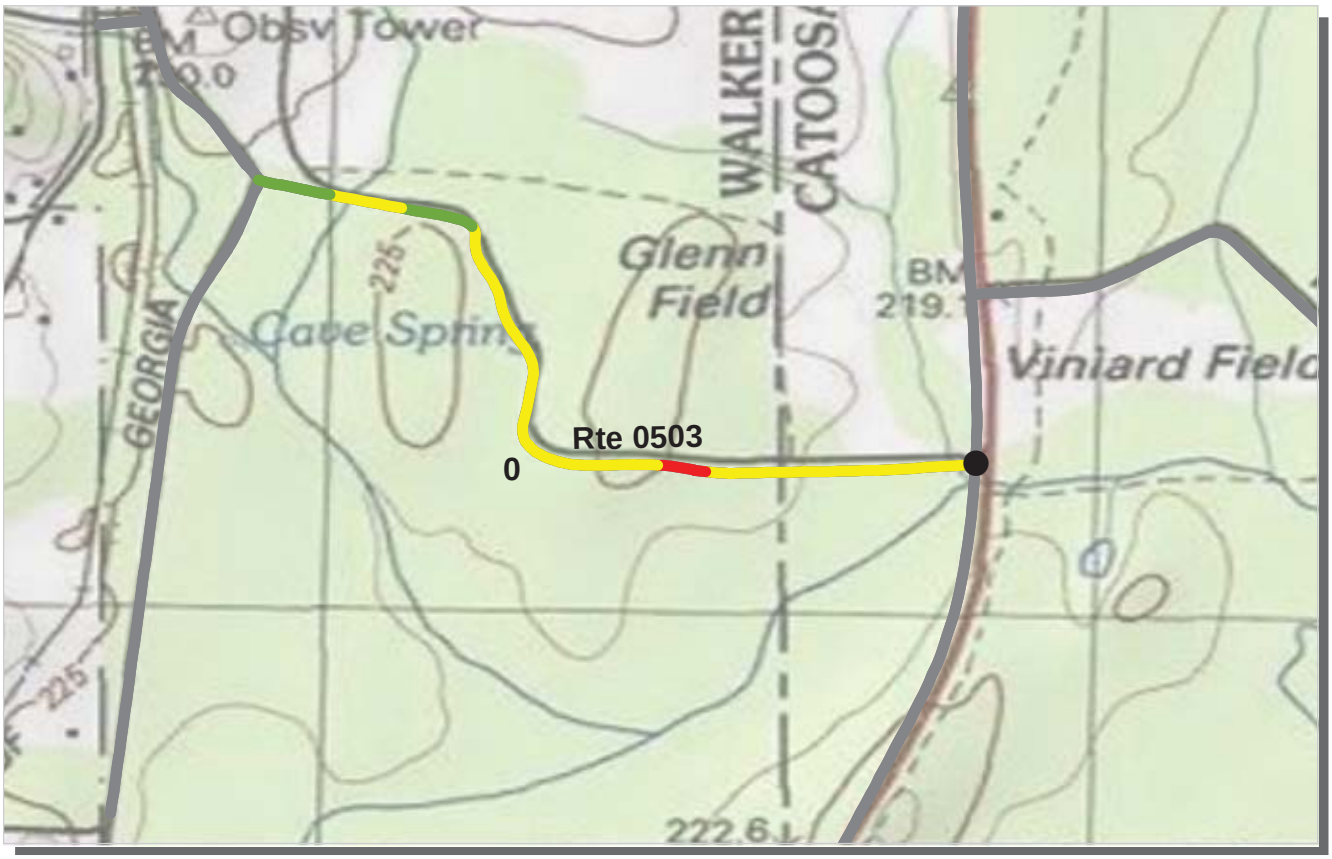
* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.

ROUTE: 0502 POE ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK
COLLECTED: 6/2/2009
SOUTHEAST REGION **TOTAL LENGTH: 0.34 Miles**

Section Number	0				
Section Length (mi)	0.34				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	15				
Lane Width (ft)	15				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	37				
PCR (Pavement Condition Rating)	45				
Distress Index Values					
Alligator Cracking Index	99				
Longitudinal Cracking Index	80				
Tranverse Cracking Index	94				
Patching Index	77				
Rutting Index	86				
Roughness Condition Index (RCI)	65				

NC - Not Collected

ROUTE: 0502 POE ROAD



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0503 GLEN VINIARD ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

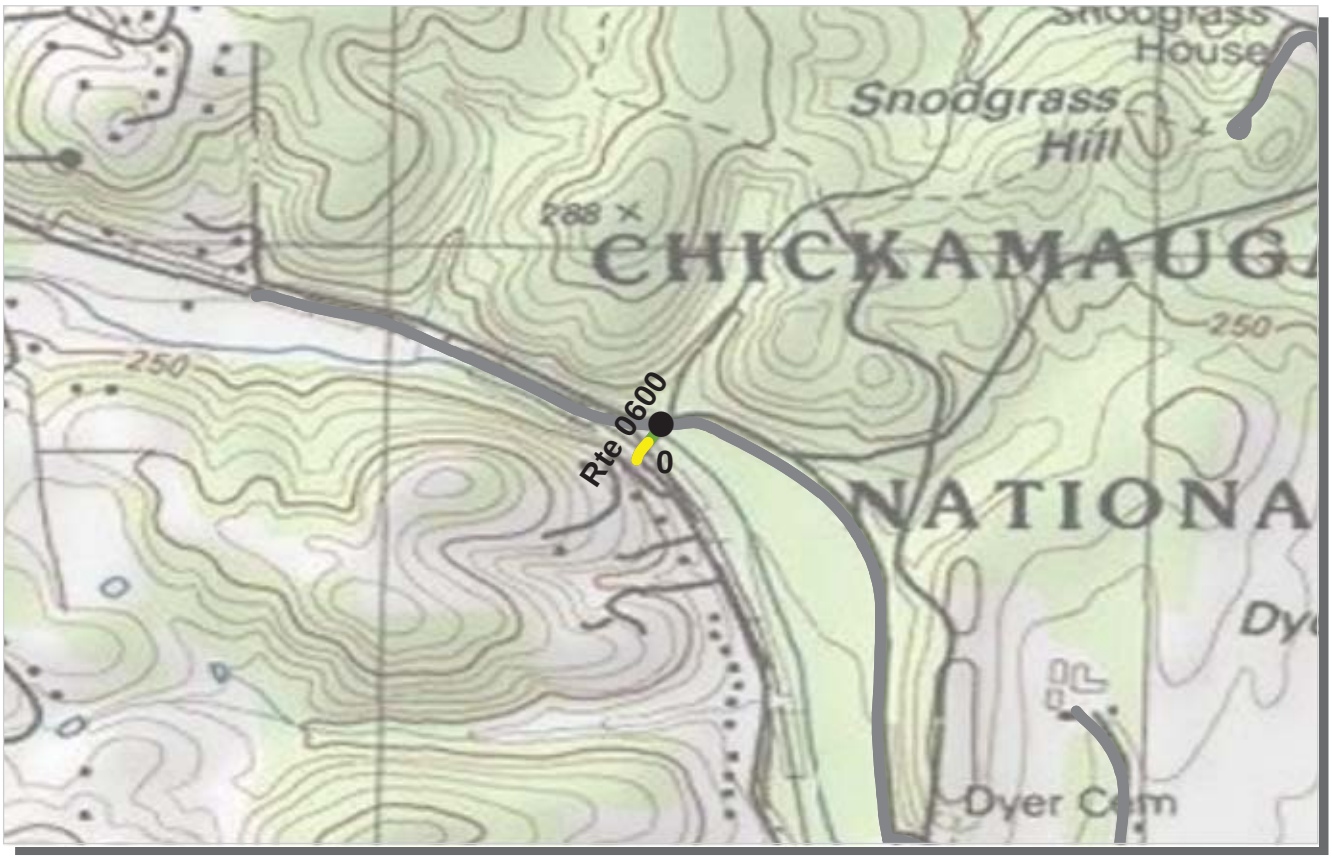
COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 0.78 Miles**

Section Number	0				
Section Length (mi)	0.78				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	18				
Lane Width (ft)	17				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	64				
PCR (Pavement Condition Rating)	73				
Distress Index Values					
Alligator Cracking Index	89				
Longitudinal Cracking Index	87				
Tranverse Cracking Index	92				
Patching Index	100				
Rutting Index	95				
Roughness Condition Index (RCI)	89				

NC - Not Collected

ROUTE: 0503 GLEN VINIARD ROAD



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0600 DRY VALLEY ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

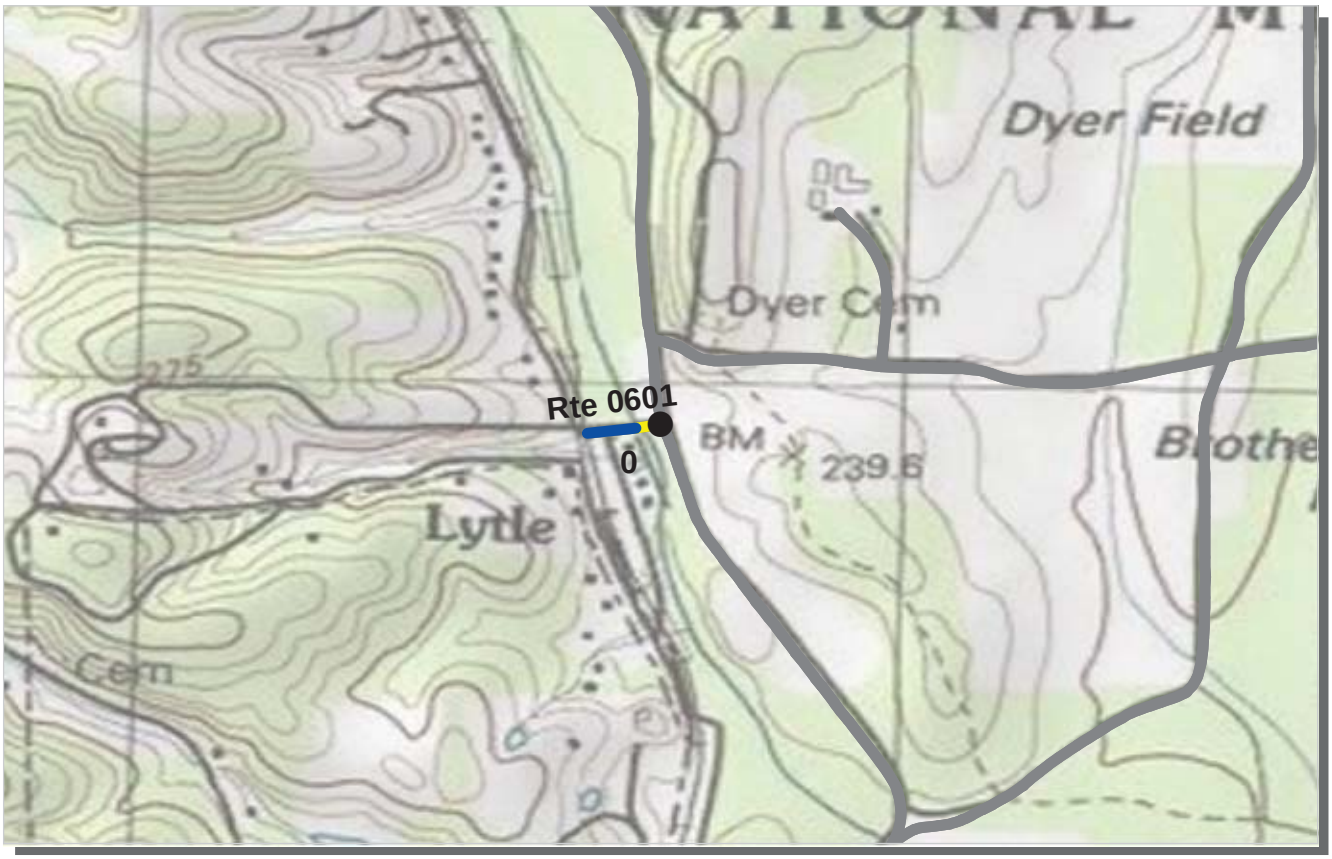
COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 0.04 Miles**

Section Number	0				
Section Length (mi)	0.04				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	79				
PCR (Pavement Condition Rating)	79				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Tranverse Cracking Index	100				
Patching Index	100				
Rutting Index	79				
Roughness Condition Index (RCI)	NC				

NC - Not Collected

ROUTE: 0600 DRY VALLEY ROAD



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0601 LYTLE STATION ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

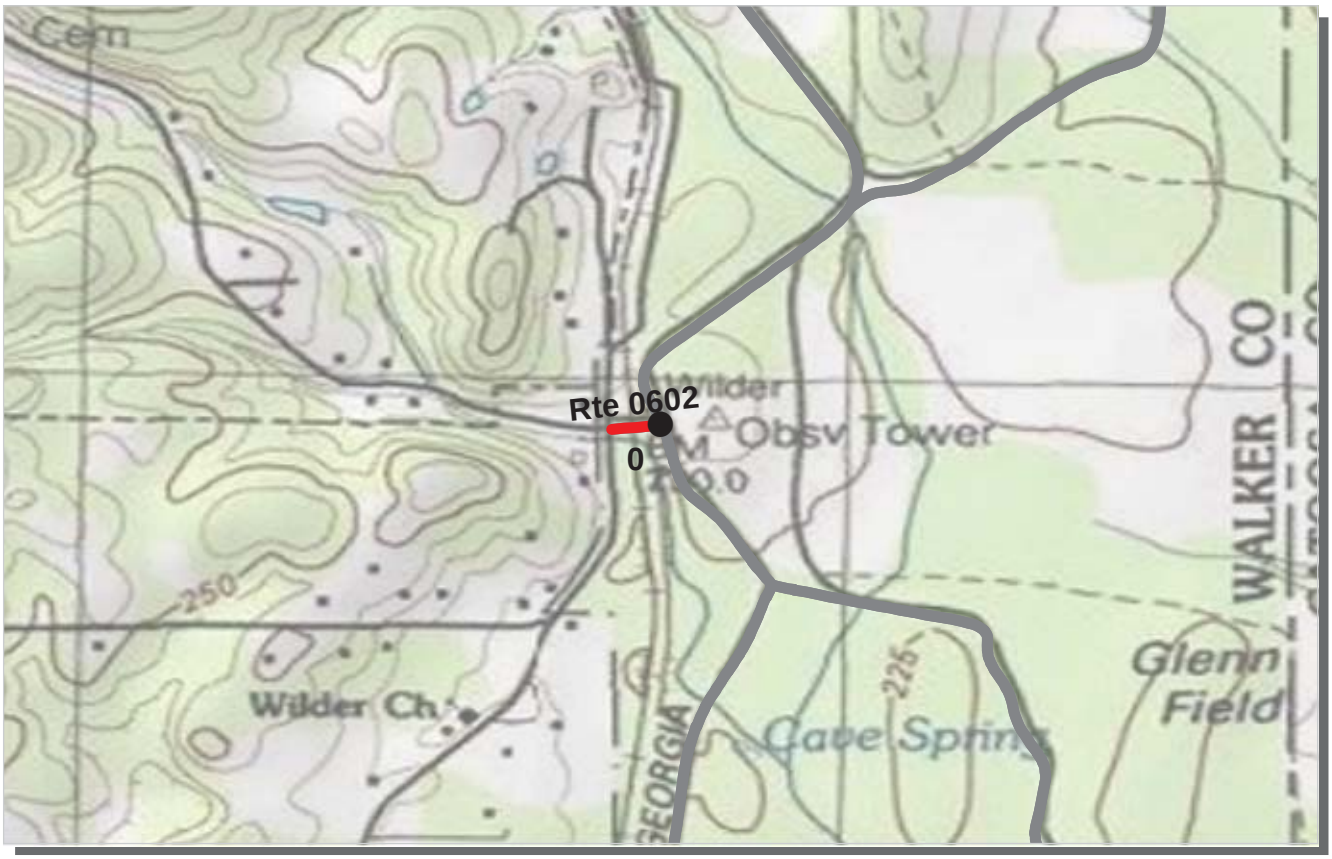
COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 0.06 Miles**

Section Number	0				
Section Length (mi)	0.06				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	8				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	92				
PCR (Pavement Condition Rating)	92				
Distress Index Values					
Alligator Cracking Index	100				
Longitudinal Cracking Index	100				
Tranverse Cracking Index	100				
Patching Index	100				
Rutting Index	92				
Roughness Condition Index (RCI)	NC				

NC - Not Collected

ROUTE: 0601 LYTLE STATION ROAD



PCR Poor (<=60) Fair (61 - 84) Good (85 - 94) Excellent (95 - 100) No Data

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

ROUTE: 0602 TOWER ROAD
CHCH : CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

COLLECTED: 6/2/2009

SOUTHEAST REGION **TOTAL LENGTH: 0.04 Miles**

Section Number	0				
Section Length (mi)	0.04				
Traffic					
AADT	Traffic data may be found at www.efl.fhwa.dot.gov Click on PROGRAMS / NPS Traffic Data (Note: Not all parks have traffic data)				
SADT					
ADT Date					
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	15				
Lane Width (ft)	8				
Shoulder Width Right (ft)	NC				
Shoulder Width Left (ft)	NC				
Roadway Condition Information					
SCR (Surface Condition Rating)	23				
PCR (Pavement Condition Rating)	23				
Distress Index Values					
Alligator Cracking Index	70				
Longitudinal Cracking Index	100				
Tranverse Cracking Index	99				
Patching Index	91				
Rutting Index	58				
Roughness Condition Index (RCI)	NC				

NC - Not Collected

ROUTE: 0602 TOWER ROAD

Chickamauga & Chattanooga National Military Park

Section 6
Manually Rated Paved Route Condition Rating Sheets (MRR)

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0013A

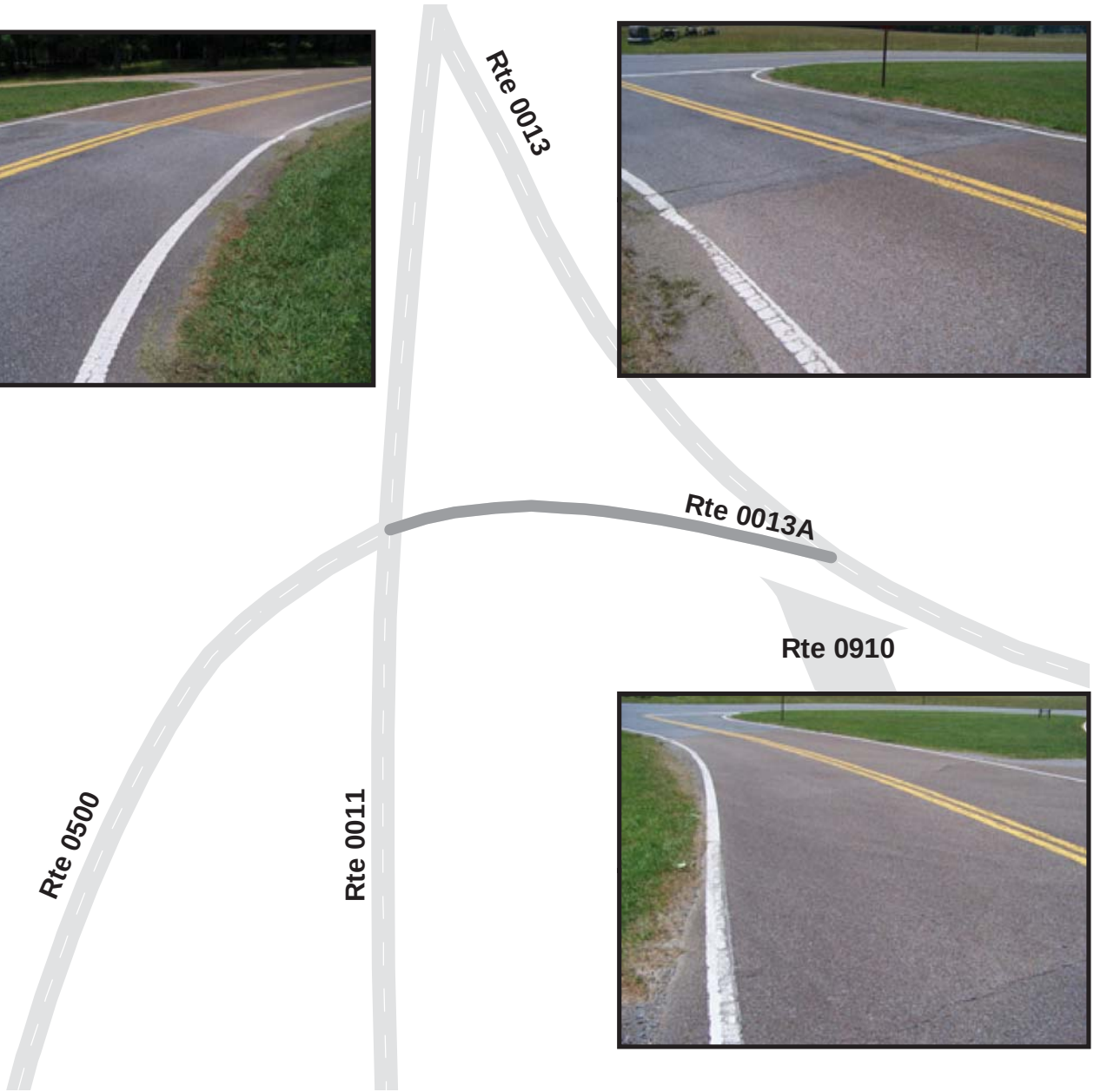
ALEXANDER BRIDGE ROAD SPUR

FROM ROUTE 0011 (LAFAYETTE ROAD)

TO ROUTE 0013 (ALEXANDER BRIDGE ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0013A	PUBLIC	6/2/2009		2,323	0.04	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



100 50 0 100 Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

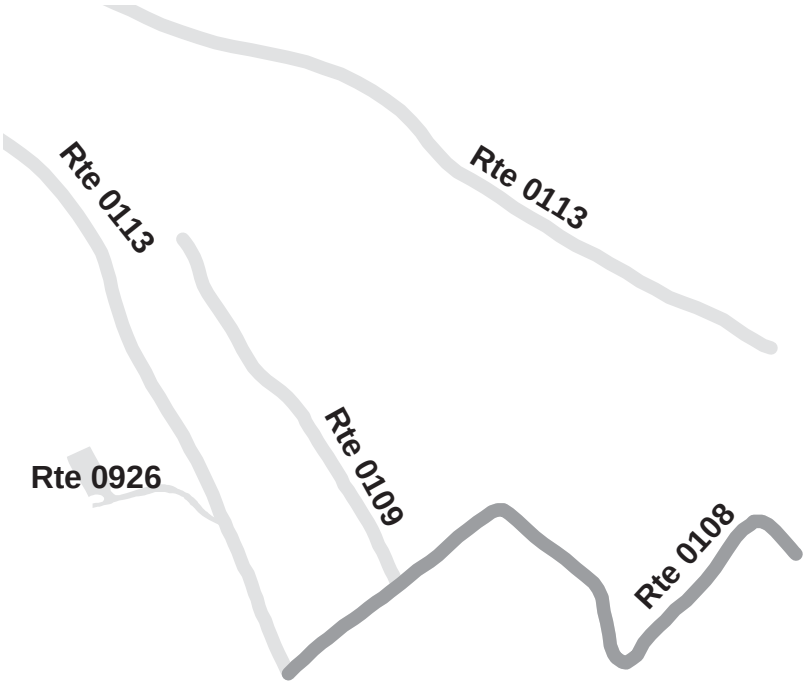
Route 0108

MILITARY STREET

FROM INTERSECTION OF ROUTE 0113 (CRAVENS TERRACE ROAD) AND SHINGLE ROAD
TO TENNESSEE STATE ROUTE 148

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0108	PUBLIC	4/14/2009		16,262	0.28	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
3	0	0	2	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



690 345 0 690
Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0109

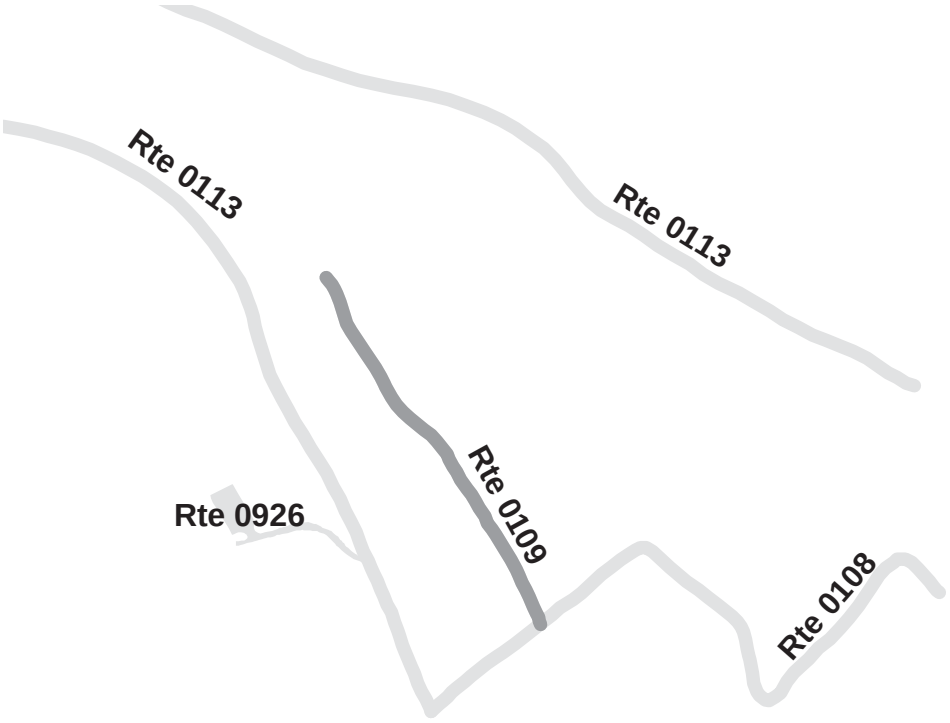
CAROLINE STREET

FROM ROUTE 0108 (MILITARY STREET)

TO END OF PAVEMENT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0109	PUBLIC	4/14/2009		9,874	0.17	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
1	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



710 355 0 710

Feet

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

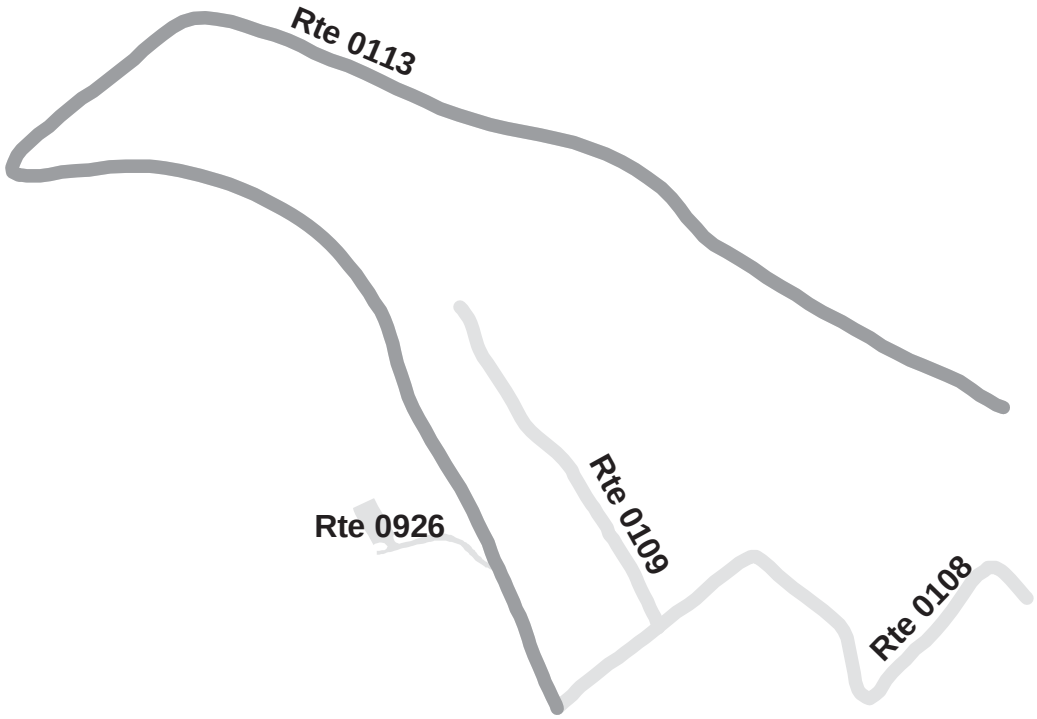
Route 0113

CRAVENS TERRACE ROAD

FROM INTERSECTION OF ROUTE 0108 (MILITARY STREET) AND SHINGLE ROAD
TO TENNESSEE STATE ROUTE 148

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0113	PUBLIC	4/15/2009		48,206	0.83	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	1	STONE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



940 470 0 940
Feet

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK
Route 0205

ACCESS ROAD ORCHARD KNOB RESERVATION
FROM NORTH ORCHARD KNOB AVENUE
TO ORCHARD KNOB RESERVATION

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0205	PUBLIC	4/15/2009		3,791	0.07	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	1	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

260 130 0 260
Feet

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0411

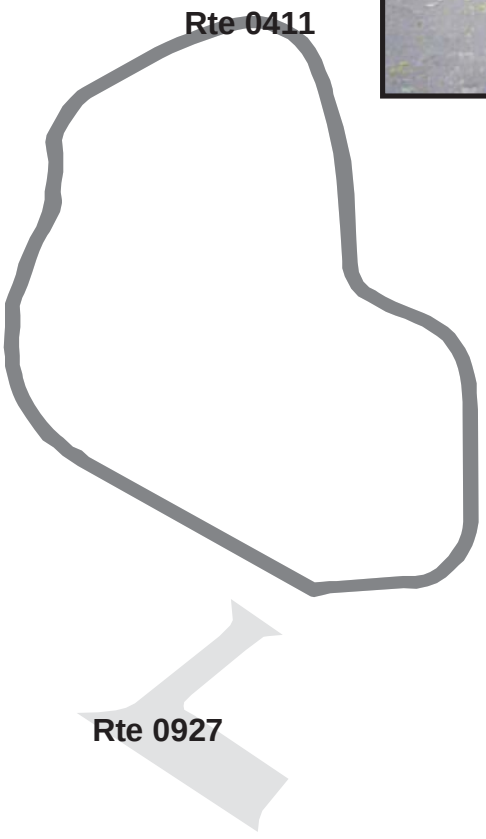
POINT PARK ACCESS ROAD

FROM POINT PARK ENTRANCE GATE

TO END OF LOOP

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0411	NONPUBLIC	4/14/2009		18,105	0.31	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	8	0	0	STONE CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



330 165 0 330 Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0414

ACCESS ROAD HQ ADMINISTRATION BUILDING

FROM ROUTE 0011 (LAFAYETTE ROAD)

TO END OF LOOP

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0414	PUBLIC	4/14/2009		8,698	0.15	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	STONE CURB	GOOD/90

* Lane miles are based on 11' lane widths

Chickamauga & Chattanooga National Military Park

Section 7
Parking Area Condition Rating Sheets

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0900

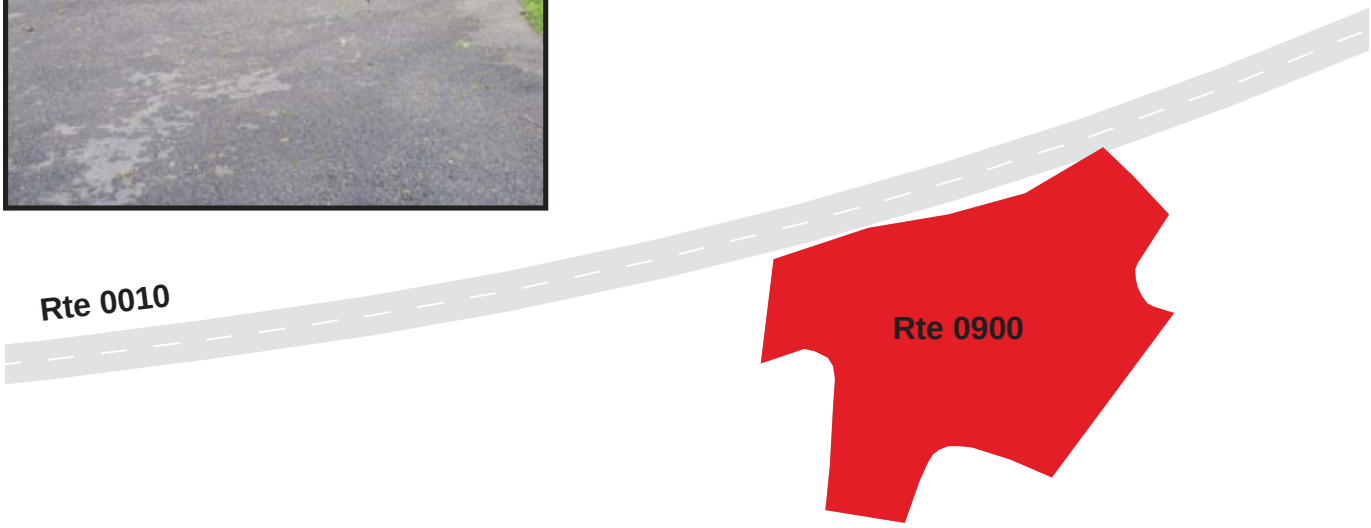
MULLIS VITTETOE PARKING

FROM ROUTE 0010 (MCFARLAND GAP ROAD) AT MP 0.28

TO ROUTE 0400 (MULLIS VITTETOE ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0900	PUBLIC	4/13/2009		3,328	0.06	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	1	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



70 35 0 70 Feet

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0901

PARKING MULLIS ROAD

FROM ROUTE 0010 (MCFARLAND GAP ROAD) AT MP 0.50

TO ROUTE 0010 (MCFARLAND GAP ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0901	PUBLIC	4/13/2009		7,446	0.13	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	1	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

160 80 0 160

Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0902

TENNESSEE MONUMENT PARKING AREA

ADJACENT TO ROUTE 0014 (REEDS BRIDGE ROAD) ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0902	PUBLIC	4/13/2009		763	0.01	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

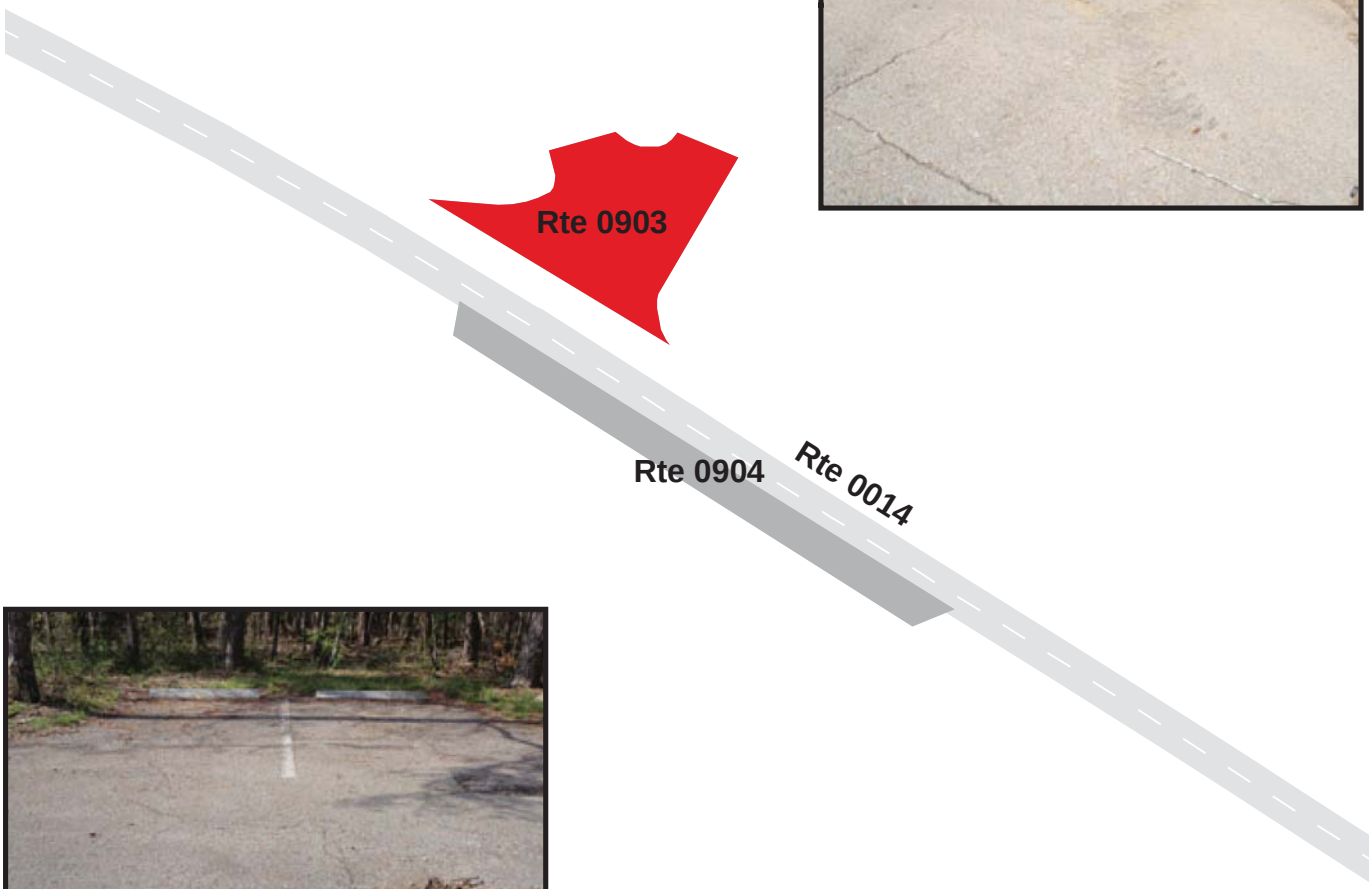
Route 0903

PARKING AREA ON LEFT REEDS BRIDGE ROAD

ADJACENT TO ROUTE 0014 (REEDS BRIDGE ROAD) ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0903	PUBLIC	4/13/2009		2,644	0.05	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	1	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



100 50 0 100 Feet

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

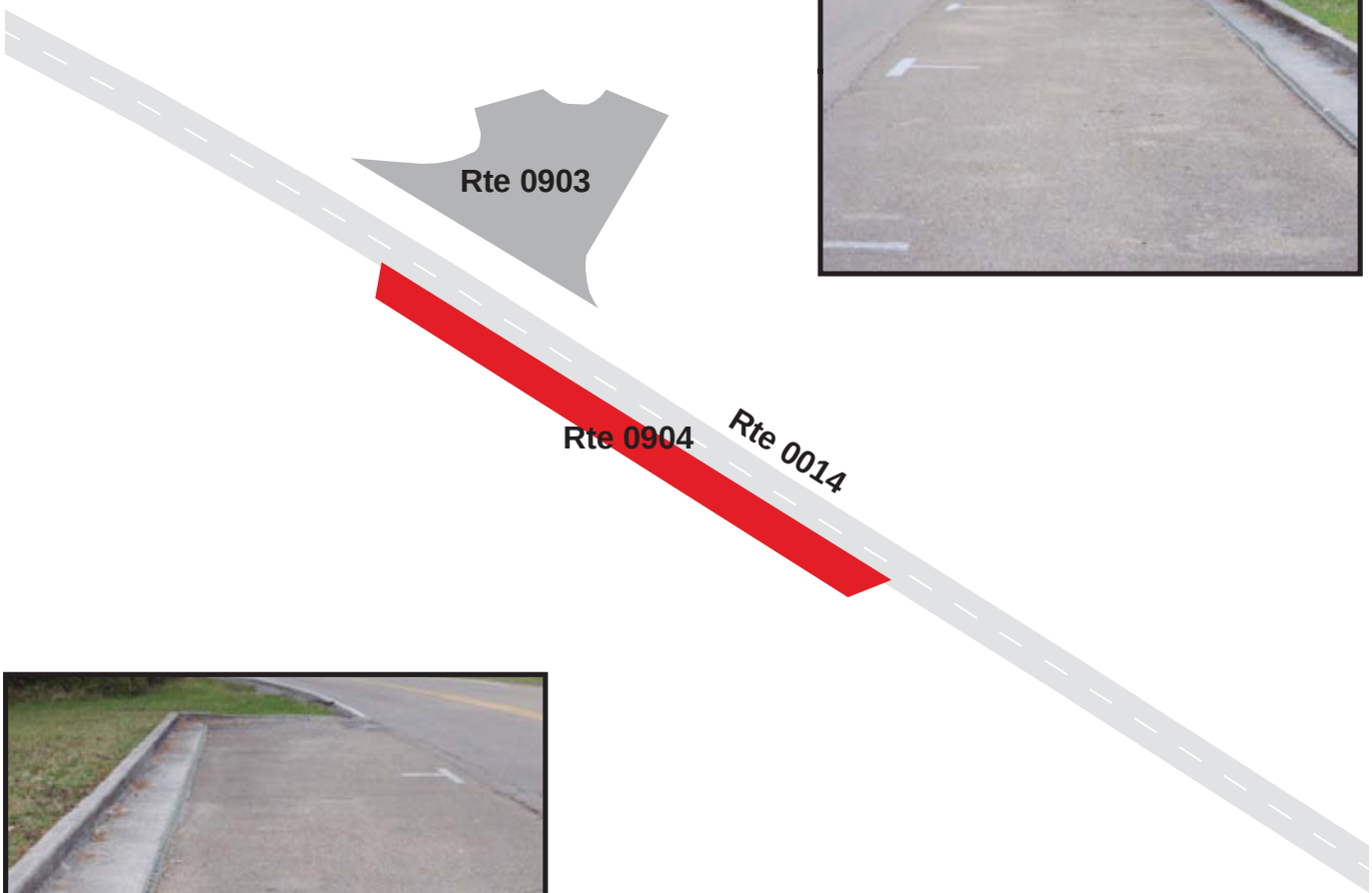
Route 0904

BRANNANS DIVISION MONUMENT PARKING ON RIGHT

ADJACENT TO ROUTE 0014 (REEDS BRIDGE ROAD) ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0904	PUBLIC	4/13/2009		1,819	0.03	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



80 40 0 80 Feet

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

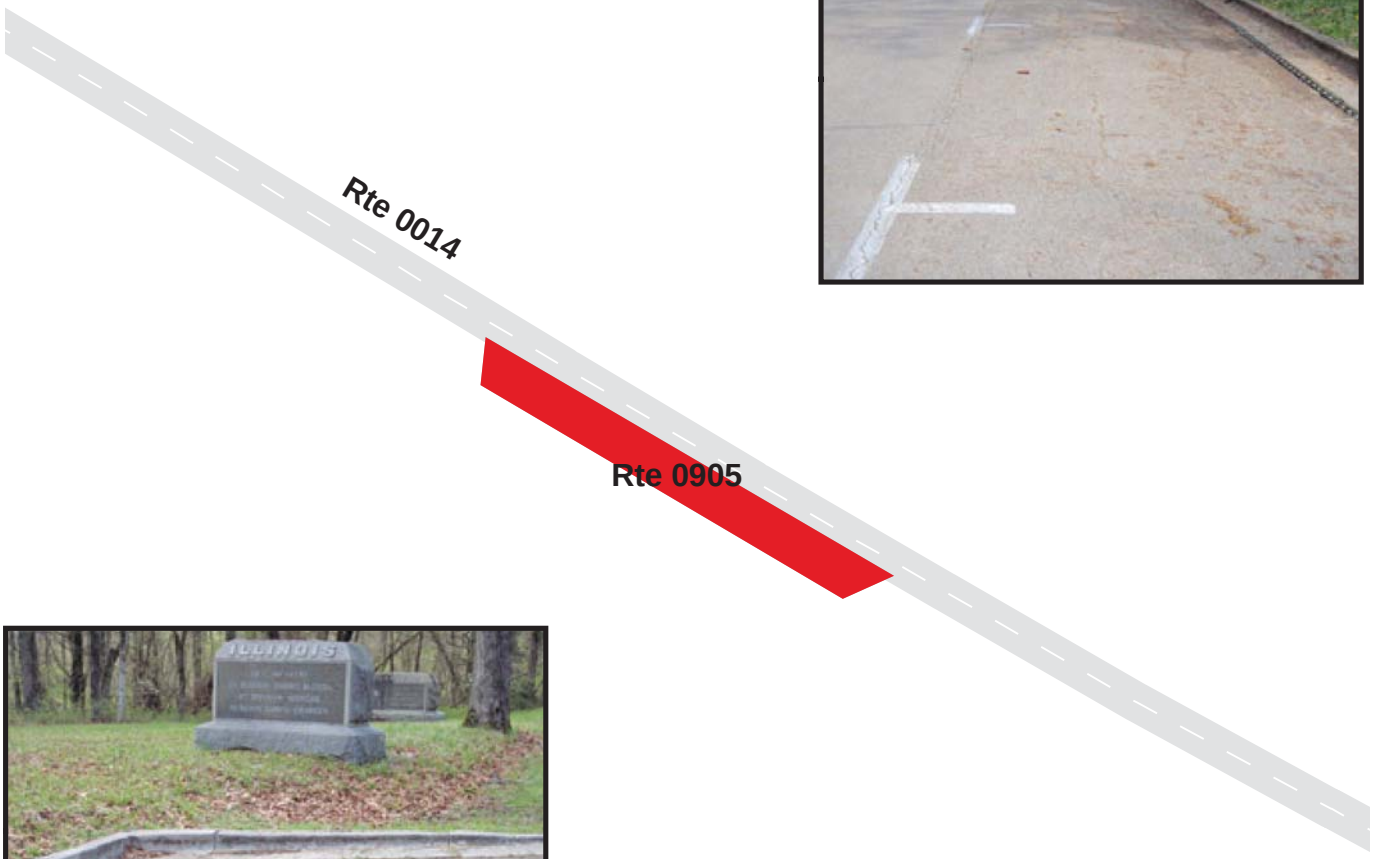
Route 0905

ILLINOIS MONUMENT PARKING AREA

ADJACENT TO ROUTE 0014 (REEDS BRIDGE ROAD) ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0905	PUBLIC	4/13/2009		1,225	0.02	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	1	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



80 40 0 80 Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0906

VISITOR CENTER PARKING CHCH

FROM ROUTE 0012 (VISITOR CENTER ACCESS)

TO ROUTE 0907 (VISITOR CENTER OVERFLOW PARKING CHCH)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0906	PUBLIC	4/13/2009		15,875	0.27	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	4	0	1	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

230 115 0 230

Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0907

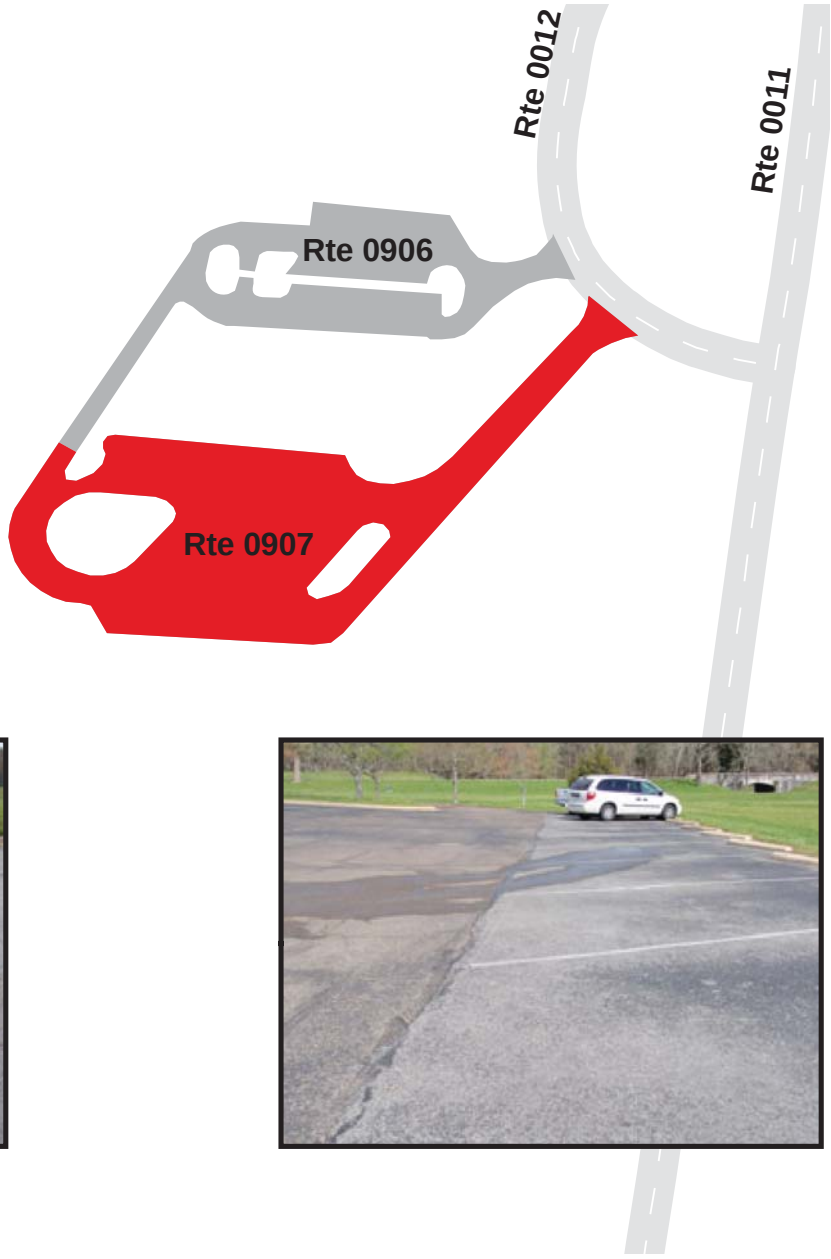
VISITOR CENTER OVERFLOW PARKING CHCH

FROM ROUTE 0012 (VISITOR CENTER ACCESS)

TO ROUTE 0906 (VISITOR CENTER PARKING CHCH)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0907	PUBLIC	4/13/2009		31,108	0.54	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
1	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



230 115 0 230

Feet

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0908

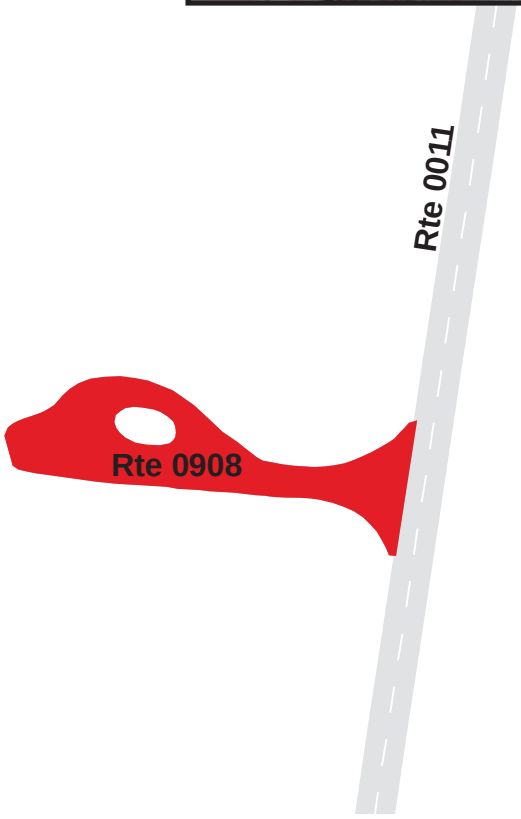
PARKING TOUR STOP #1

FROM ROUTE 0011 (LAFAYETTE ROAD)

TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0908	PUBLIC	4/14/2009		6,463	0.11	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



180 90 0 180 Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

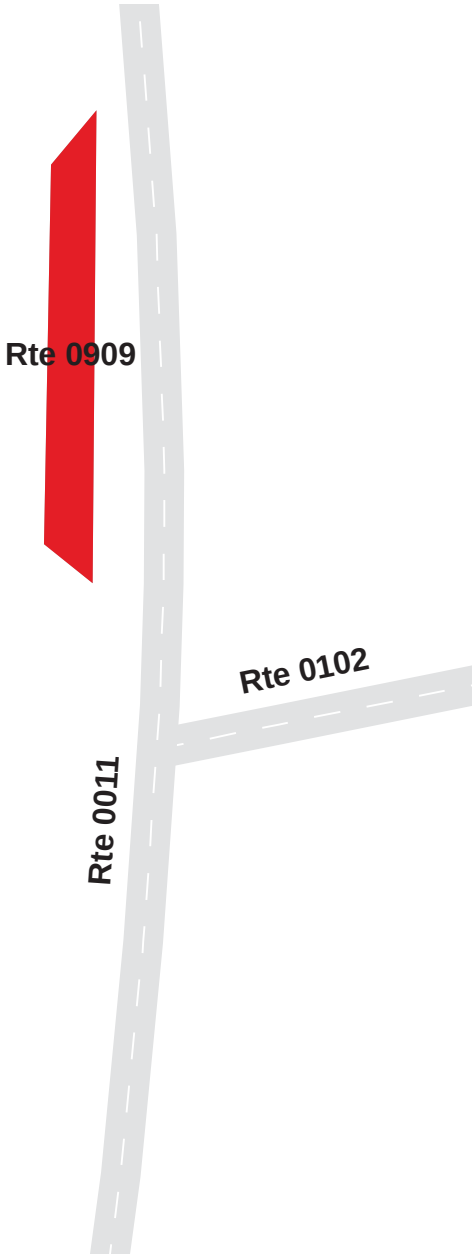
Route 0909

BROTHERTON CABIN PARKING AREA

ADJACENT TO ROUTE 0011 (LAFAYETTE ROAD) ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0909	PUBLIC	4/14/2009		822	0.01	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



60 30 0 60 Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK
Route 0910
KENTUCKY MONUMENT PARKING AREA
ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0910	PUBLIC	4/15/2009		1,517	0.03	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

40 20 0 40 Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

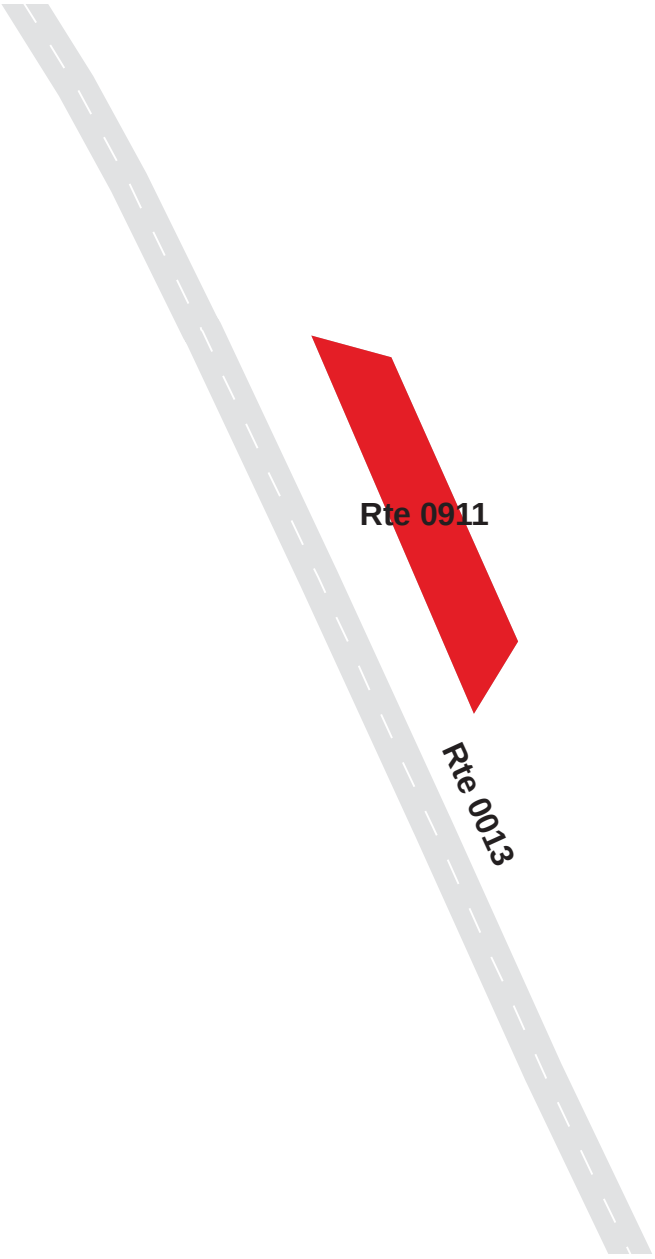
Route 0911

GEORGIA MONUMENT PARKING AREA

ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0911	PUBLIC	4/15/2009		781	0.01	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



50 25 0 50 Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK
Route 0912
HELM/COLQUITT MONUMENTS PARKING
ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0912	PUBLIC	4/15/2009		453	0.01	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
1	1	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

30 15 0 30
Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

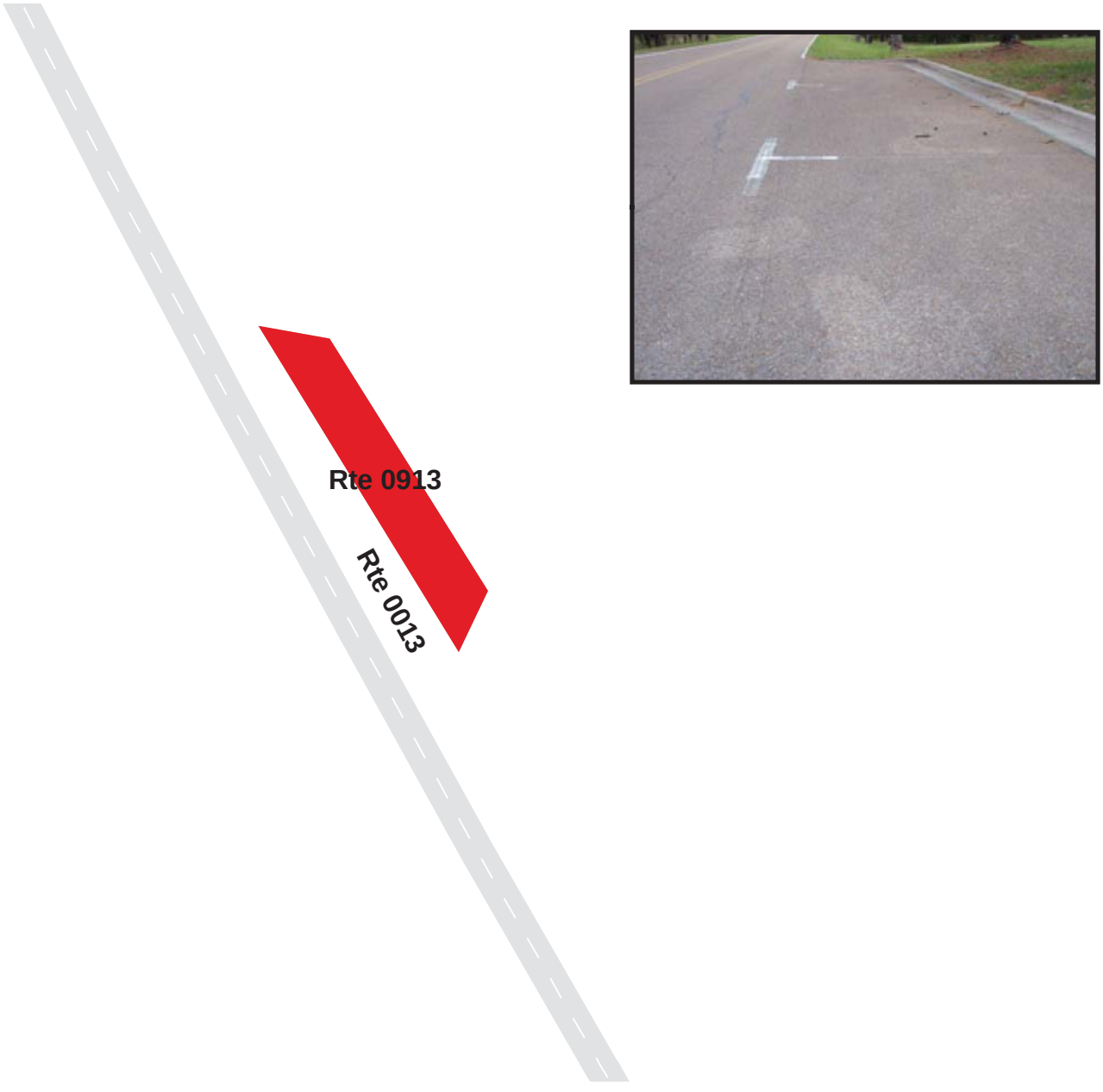
Route 0913

PARKING AREA ON LEFT ALEXANDER BRIDGE ROAD

ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0913	PUBLIC	4/15/2009		705	0.01	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
1	1	0	0	NO CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths



CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

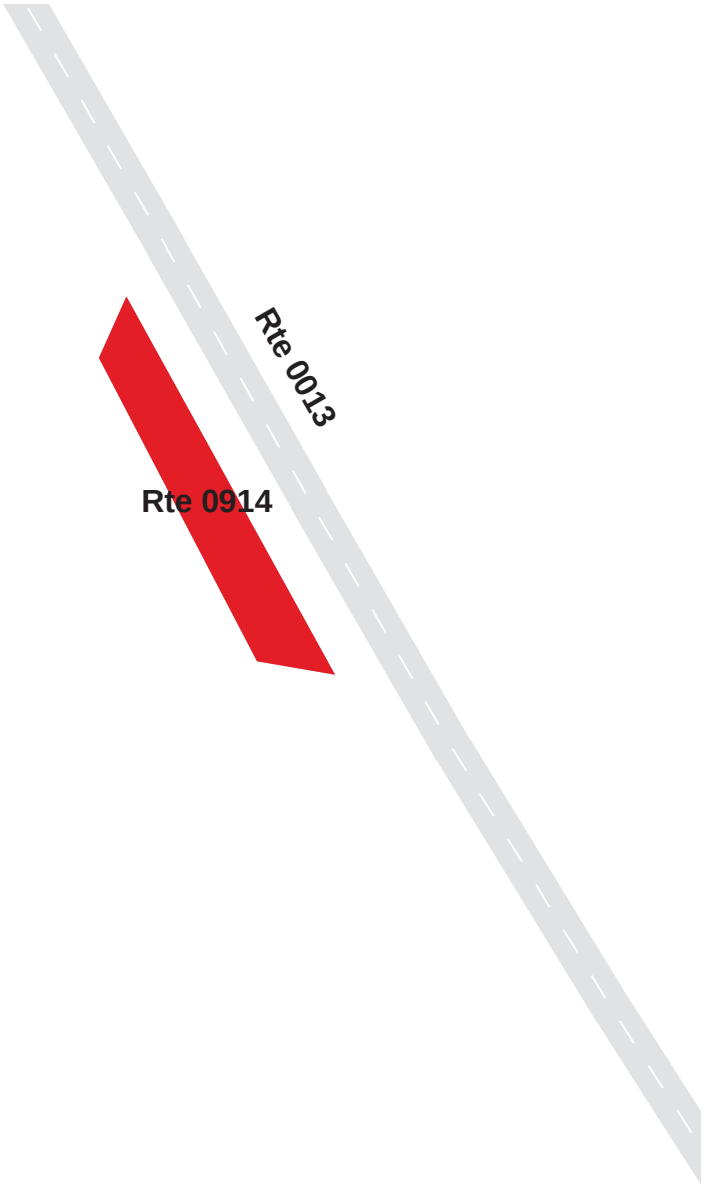
Route 0914

PARKING AREA ON RIGHT ALEXANDER BRIDGE ROAD

ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0914	PUBLIC	4/15/2009		662	0.01	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
1	1	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



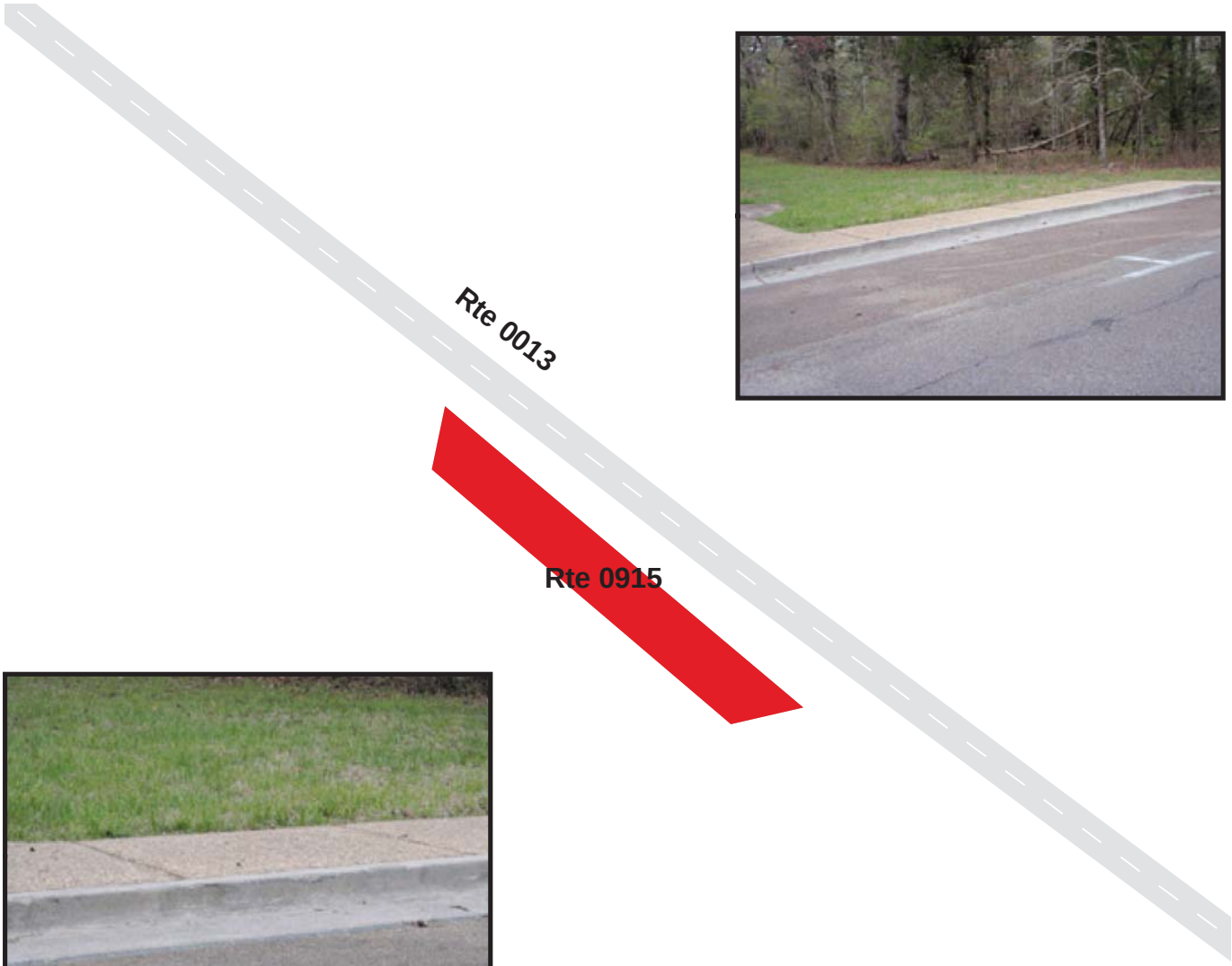
50 25 0 50 Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK
Route 0915
COST OF CHICKAMAUGA INTERPRETIVE TRAIL PARKING
ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0915	PUBLIC	4/15/2009		715	0.01	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
1	1	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



40 20 0 40
Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0916

SMITH MONUMENT PARKING

ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0916	PUBLIC	4/15/2009		707	0.01	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

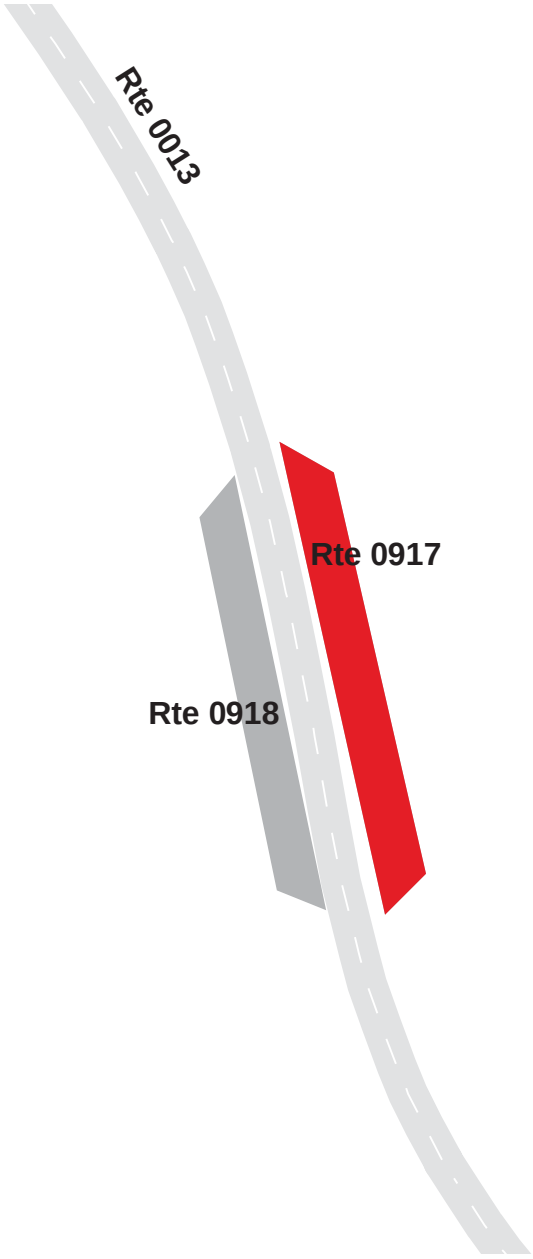
Route 0917

PARKING ALEXANDER BRIDGE ON LEFT AT HORSE TRAIL

ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0917	PUBLIC	4/15/2009		9,103	0.16	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	CONCRETE CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



210 105 0 210

Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

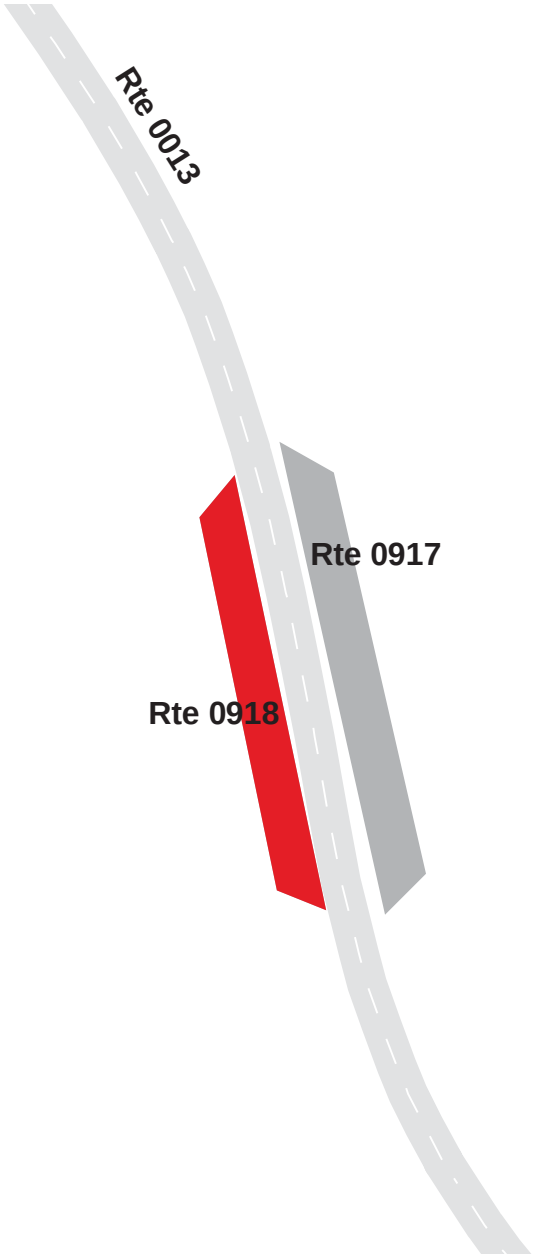
Route 0918

PARKING ALEXANDER BRIDGE ON RIGHT AT HORSE TRAIL

ADJACENT TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0918	PUBLIC	4/15/2009		7,712	0.13	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
1	1	0	0	CONCRETE CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



210 105 0 210

Feet

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0919

PARKING AREA VINIARD ALEXANDER BRIDGE

TO ROUTE 0013 (ALEXANDER BRIDGE ROAD) ACROSS FROM ROUTE 0103 (VINIARD ALEXANDER

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0919	PUBLIC	4/15/2009		487	0.01	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	1	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

30 15 0 30 Feet

N

7-20

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0921

PARKING ON RIGHT CONFEDERATES CREEK CROSSING

ADJACENT TO ROUTE 0100 (JAYS MILL ROAD) ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0921	PUBLIC	4/15/2009		437	0.01	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

30 15 0 30 Feet

7-21

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

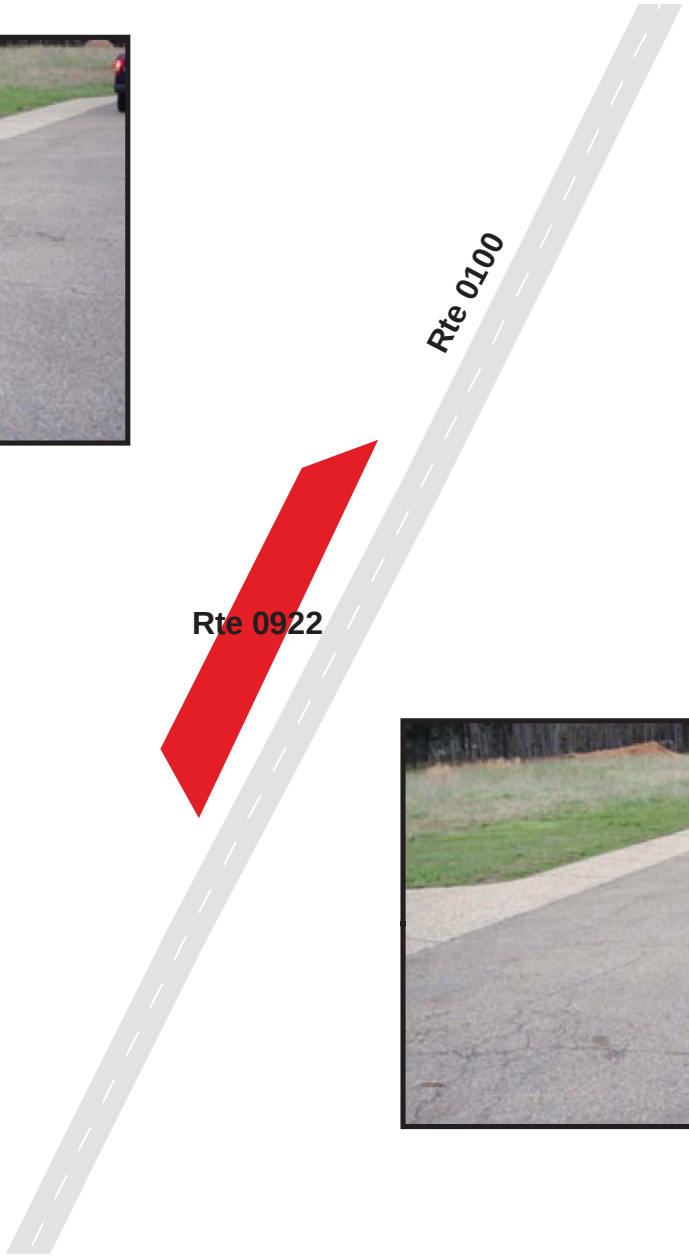
Route 0922

JAY'S MILL PARKING ON RIGHT

ADJACENT TO ROUTE 0100 (JAYS MILL ROAD) ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0922	PUBLIC	4/15/2009		840	0.01	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



60 30 0 60 Feet

7-22

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

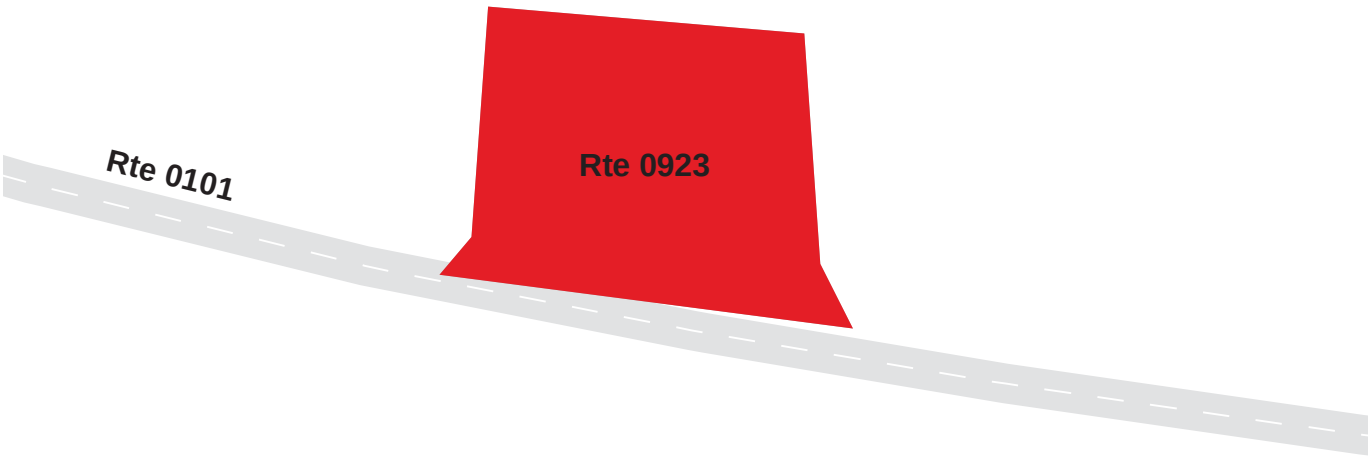
Route 0923

DYER HOUSE PARKING ON LEFT

ADJACENT TO ROUTE 0101 (DYER ROAD) ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0923	PUBLIC	4/15/2009		699	0.01	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



30 15 0 30 Feet

N

7-23

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0924

PARKING BROTHERTON PICNIC AREA

FROM ROUTE 0102 (BROTHERTON ROAD) ON RIGHT

TO ROUTE 0102 (BROTHERTON ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0924	PUBLIC	4/14/2009		7,906	0.14	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	1	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

110 55 0 110

Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

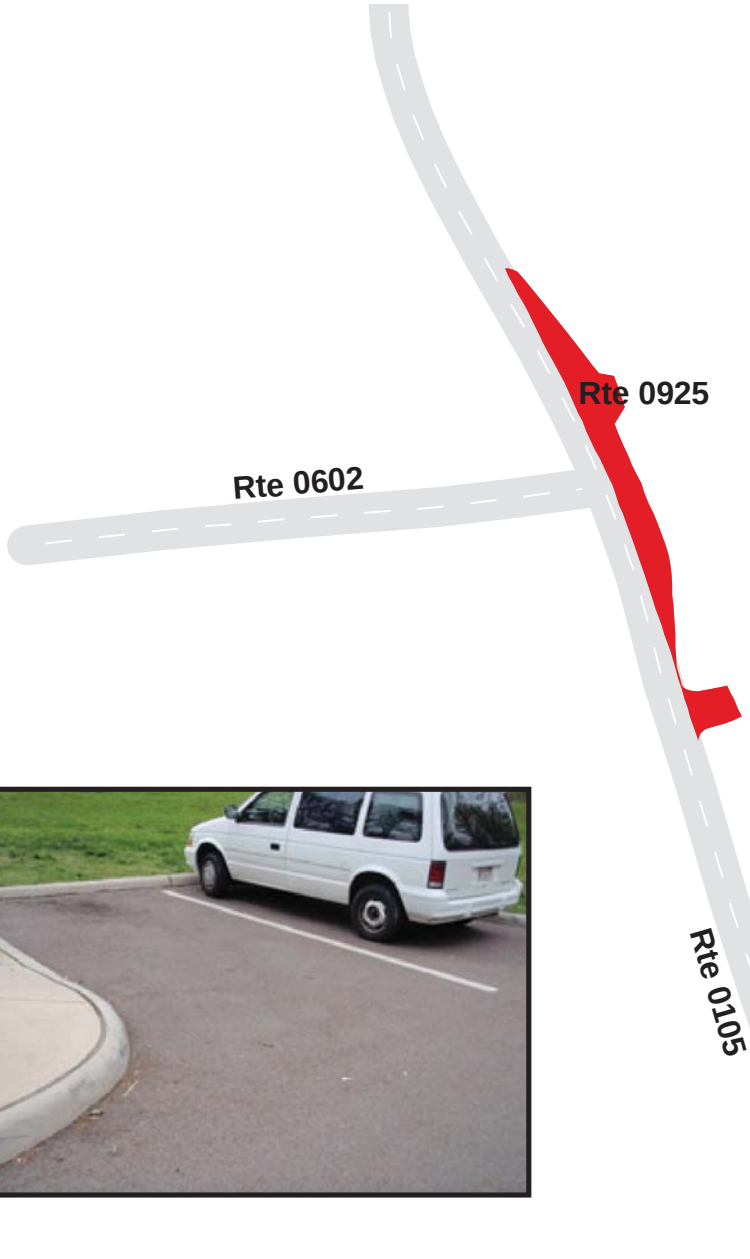
Route 0925

WILDER BRIGADE MONUMENT PARKING

ADJACENT TO ROUTE 0105 (CHICK-VITTETOE ROAD) ON LEFT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0925	PUBLIC	4/15/2009		2,245	0.04	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



120 60 0 120 Feet

N

7-25

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0926

CRAVENS HOUSE PARKING

FROM ROUTE 0113 (CRAVENS TERRACE ROAD)

TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0926	PUBLIC	4/14/2009		9,411	0.16	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	1	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

200 100 0 200

Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0927

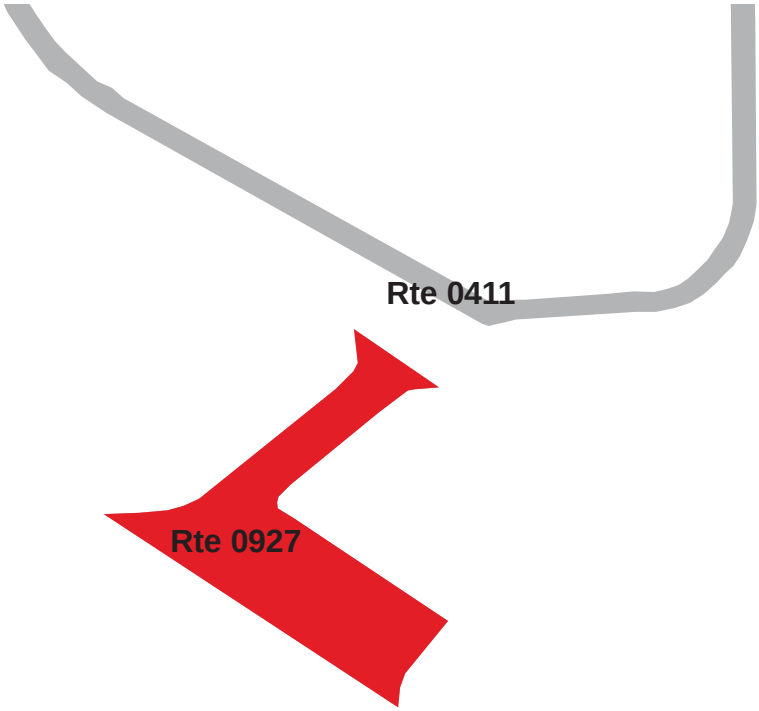
POINT PARK VISITOR CENTER PARKING

FROM EAST BROW ROAD

TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0927	PUBLIC	4/14/2009		11,562	0.20	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths



180 90 0 180 Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

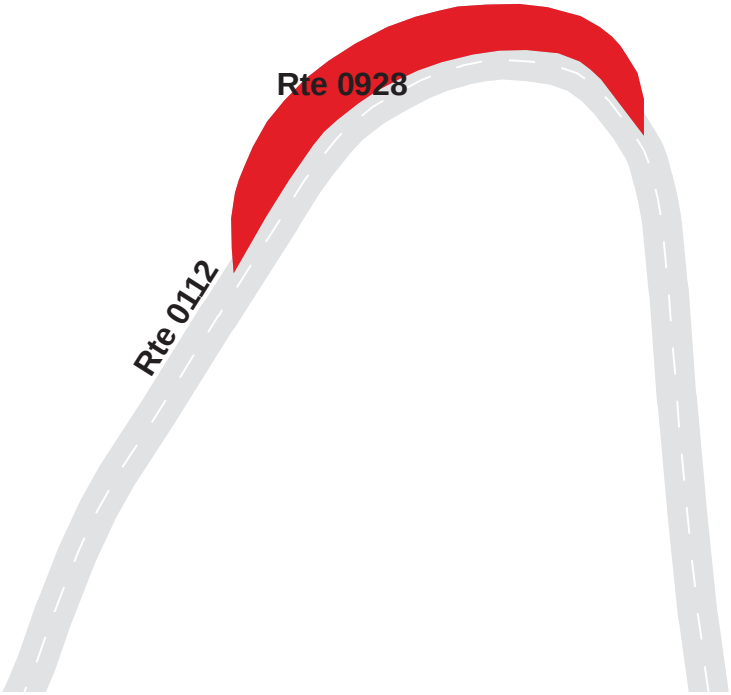
Route 0928

SNODGRASS CABIN PARKING

ADJACENT TO ROUTE 0112 (SNODGRASS ROAD) AT SNODGRASS CABIN

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0928	PUBLIC	4/15/2009		5,642	0.10	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	1	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



150 75 0 150

Feet

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

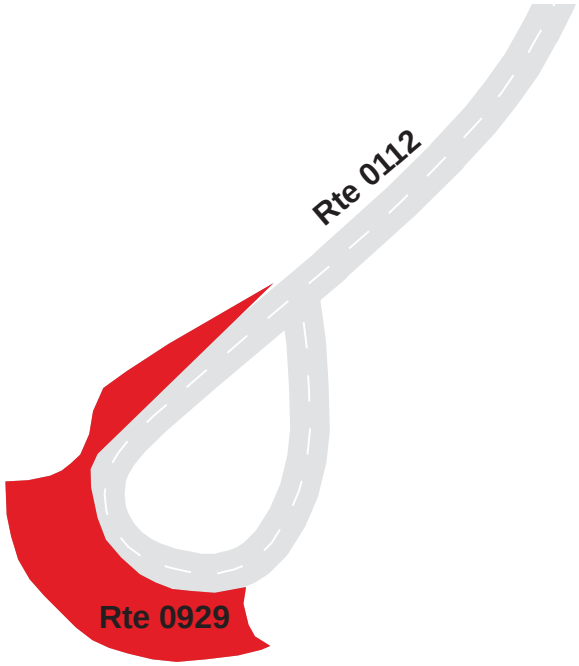
Route 0929

SNODGRASS HILL PARKING

ADJACENT TO ROUTE 0112 (SNODGRASS ROAD) ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0929	PUBLIC	4/15/2009		3,190	0.06	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



100 50 0 100 Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0930

PARKING TOUR STOP 7 (GLENN KELLY ROAD)

ADJACENT TO ROUTE 0500 (GLENN KELLEY ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0930	PUBLIC	4/15/2009		1,501	0.03	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

60 30 0 60 Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

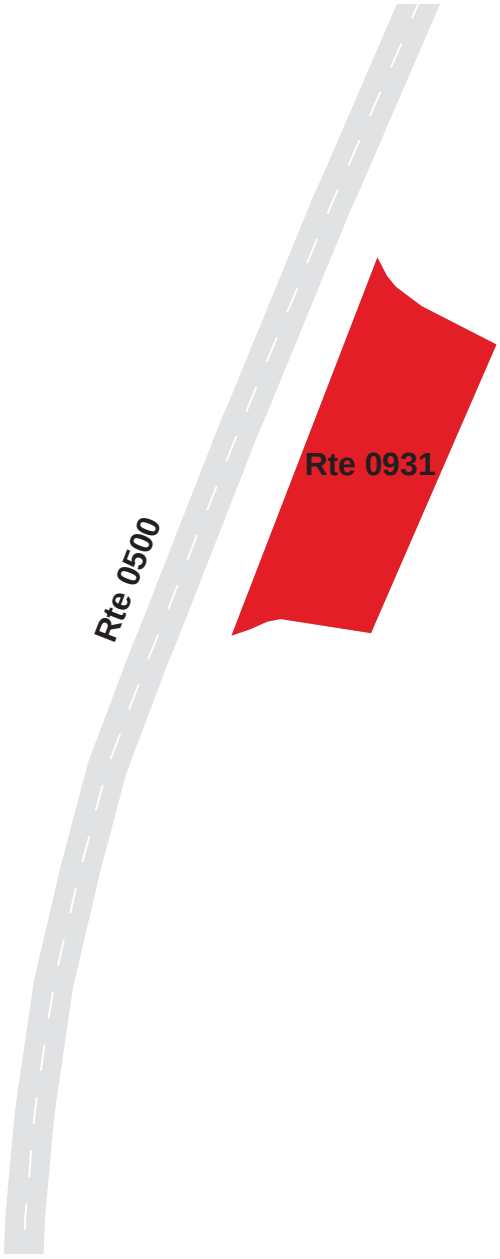
Route 0931

PARKING ON RIGHT GLENN KELLY & DYER ROAD

ADJACENT TO ROUTE 0500 (GLENN KELLEY ROAD) ON RIGHT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0931	PUBLIC	4/15/2009		1,873	0.03	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



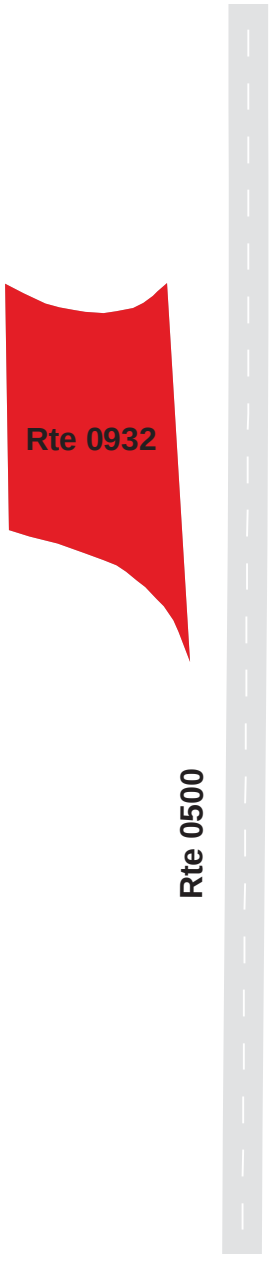
60 30 0 60 Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK
Route 0932
SOUTH CAROLINA MONUMENT PARKING
ADJACENT TO ROUTE 0500 (GLENN KELLEY ROAD) AT SOUTH CAROLINA MONUMENT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0932	PUBLIC	4/15/2009		1,182	0.02	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0933

SOUTH POST PARKING

ADJACENT TO ROUTE 0405 (SAVANNNAH ROAD) NEAR ROUTE 0500 (GLENN KELLEY ROAD)

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0933	PUBLIC	4/15/2009		826	0.01	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

60 30 0 60 Feet

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

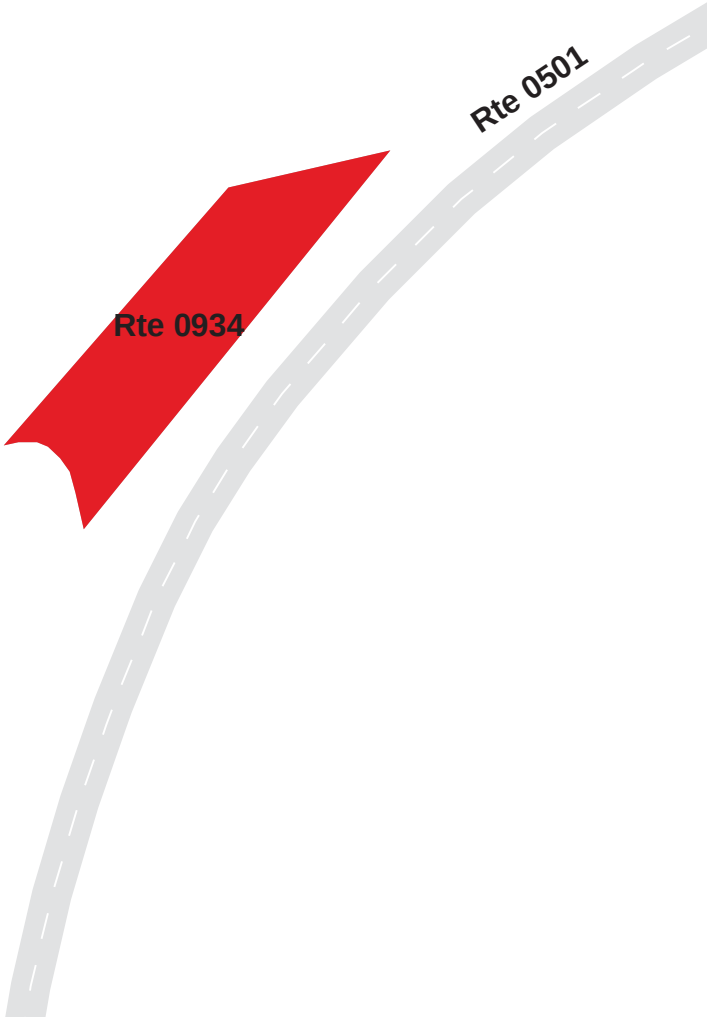
Route 0934

PARKING TOUR STOP 2 (BATTLELINE ROAD)

ADJACENT TO ROUTE 0501 (BATTLELINE ROAD) AT THE BATTLE LINE MONUMENT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0934	PUBLIC	4/15/2009		638	0.01	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

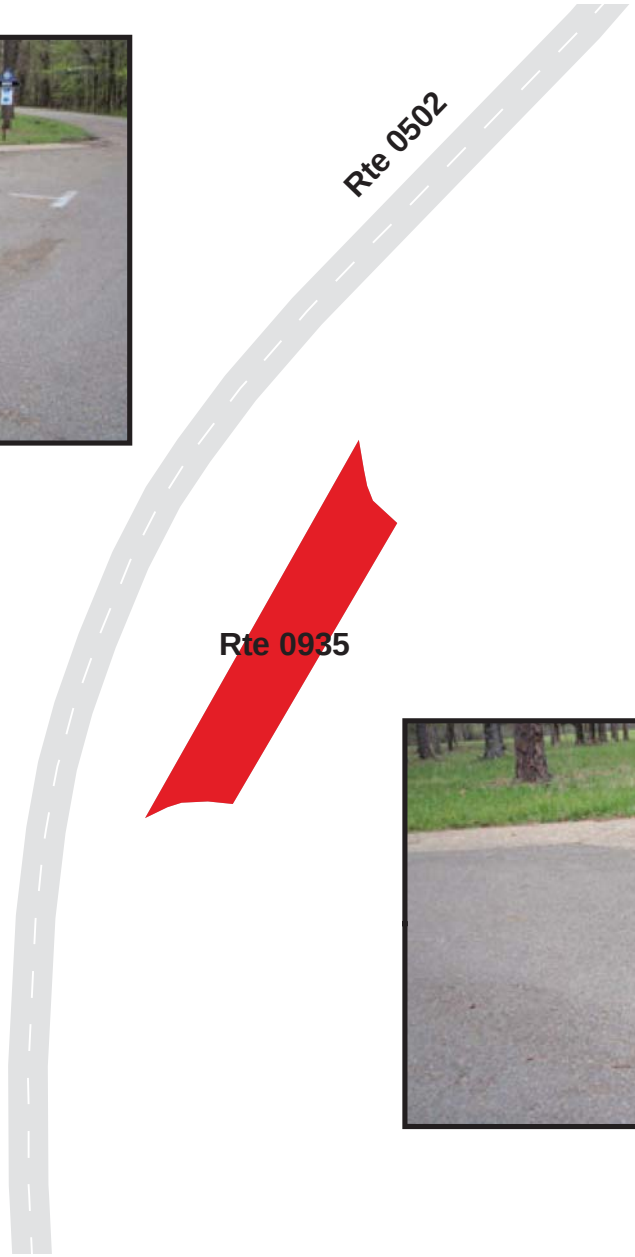
Route 0935

PARKING TOUR STOP 3 (POE ROAD)

ADJACENT TO ROUTE 0502 (POE ROAD) AT MIX UP IN UNION COMMAND MONUMENT

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0935	PUBLIC	4/14/2009		777	0.01	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



50 25 0 50 Feet

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0936

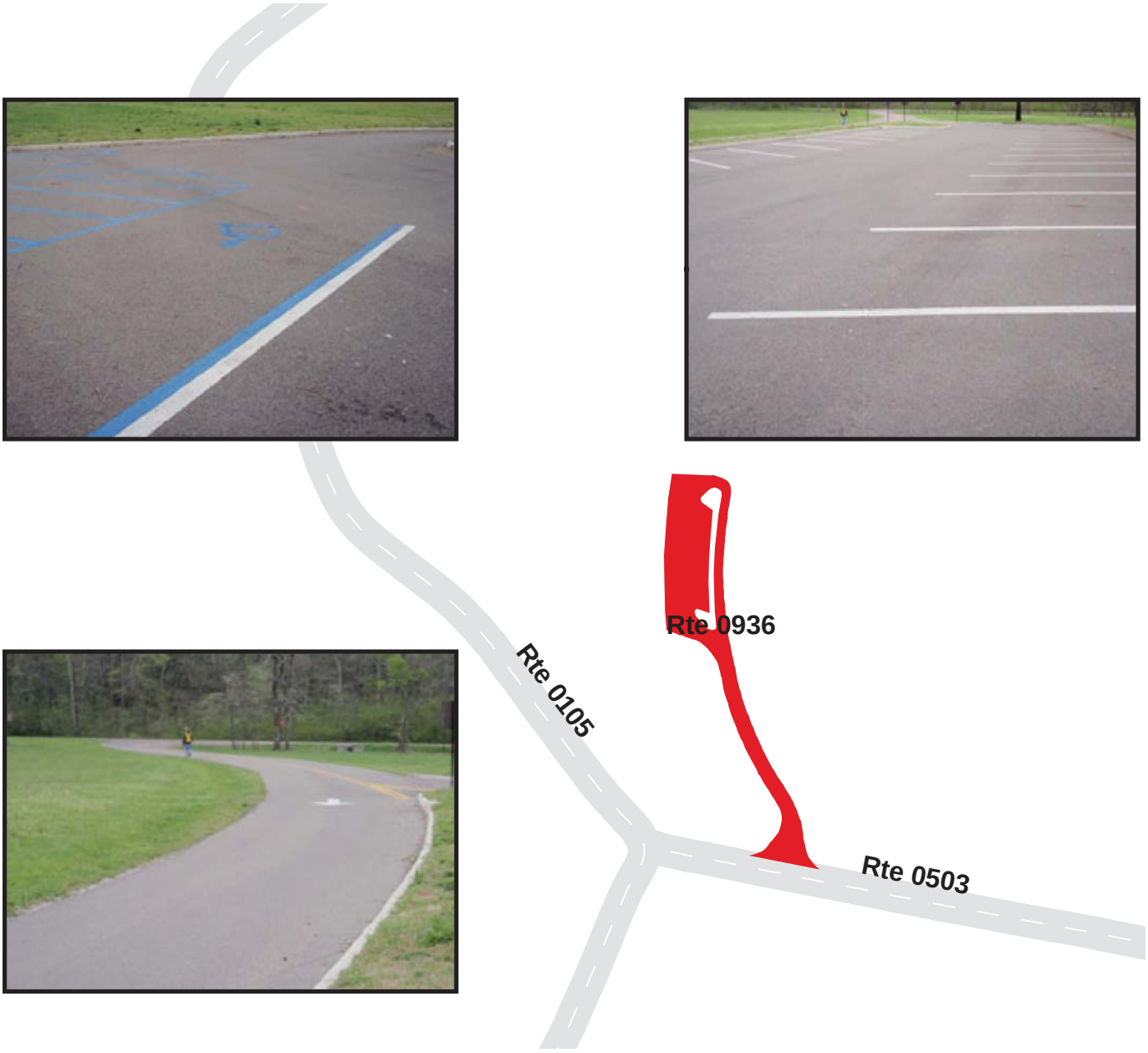
PARKING TOUR STOP 6 (WILDER TOWER)

FROM ROUTE 0503 (GLEN VINIARD ROAD) AT WILDER BRIGADE MONUMENT

TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0936	PUBLIC	4/15/2009		23,966	0.41	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths



CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

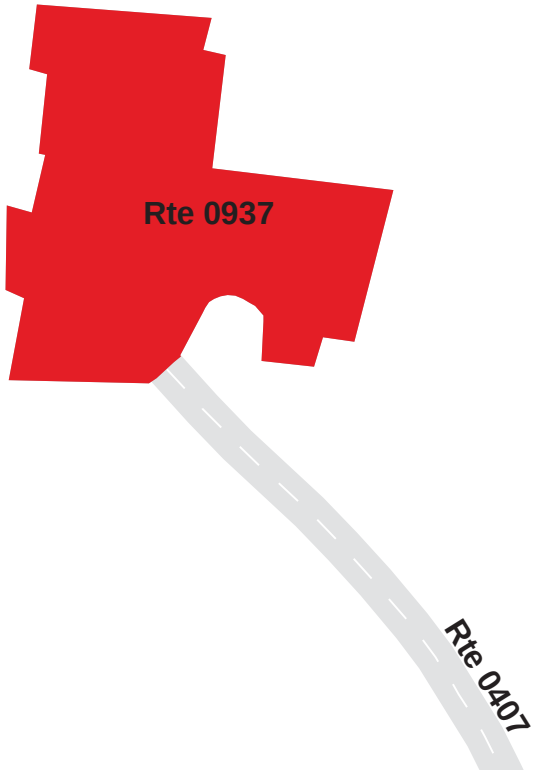
Route 0937

MAINTENANCE YARD

FROM ROUTE 0407 (MAINTENANCE COMPOUND ACCESS ROAD)
TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0937	PUBLIC	4/15/2009		26,256	0.45	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	2	2	0	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0938

PARKING DELONG RESERVATION

ADJACENT TO N CREST ROAD

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0938	PUBLIC	4/14/2009		3,277	0.06	CO
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	STONE CURB	FAIR/73

* Lane miles are based on 11' lane widths

100 50 0 100

Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0944

LOM PARKING BRIDGE OVERLOOK

FROM US HIGHWAY 318

TO GARDEN ROAD

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0944	PUBLIC	4/14/2009		12,061	0.21	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0946

LOM PARKING SUNSET ROCK

ADJACENT TO WEST BROW ROAD

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0946	PUBLIC	4/14/2009		2,095	0.04	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

50 25 0 50 Feet

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0953

REEDS BRIDGE PICNIC AREA PARKING

FROM ROUTE 0014 (REEDS BRIDGE ROAD)

TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0953	PUBLIC	4/15/2009		11,330	0.20	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	3	0	0	CONCRETE CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths

Rte 0014

190 95 0 190 Feet

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0954

SIGNAL POINT PARKING

FROM SIGNAL POINT ROAD

TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0954	PUBLIC	4/14/2009		12,261	0.21	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	1	1	0	NO CURB AND GUTTER	CONCRETE CURB	POOR/45

* Lane miles are based on 11' lane widths

160 80 0 160

Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK
Route 0955ZZ
SANDERS PICNIC AREA PARKING AREAS
ADJACENT TO ROUTE 0201 (SANDERS ROAD PICNIC AREA ACCESS ROAD)

Summary Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0955ZZ	PUBLIC	4/14/2009		6,760	0.12	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	1	0	0	NO CURB AND GUTTER	ASPHALT CURB	SUMMARY/78.57

* Lane miles are based on 11' lane widths

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK
Route 0955AZ

SANDERS PICNIC PARKING A

ADJACENT TO ROUTE 0201 (SANDERS ROAD PICNIC AREA ACCESS ROAD) ON RIGHT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0955AZ	PUBLIC	4/14/2009		2,235	0.04	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	0	0	0	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK
Route 0955BZ

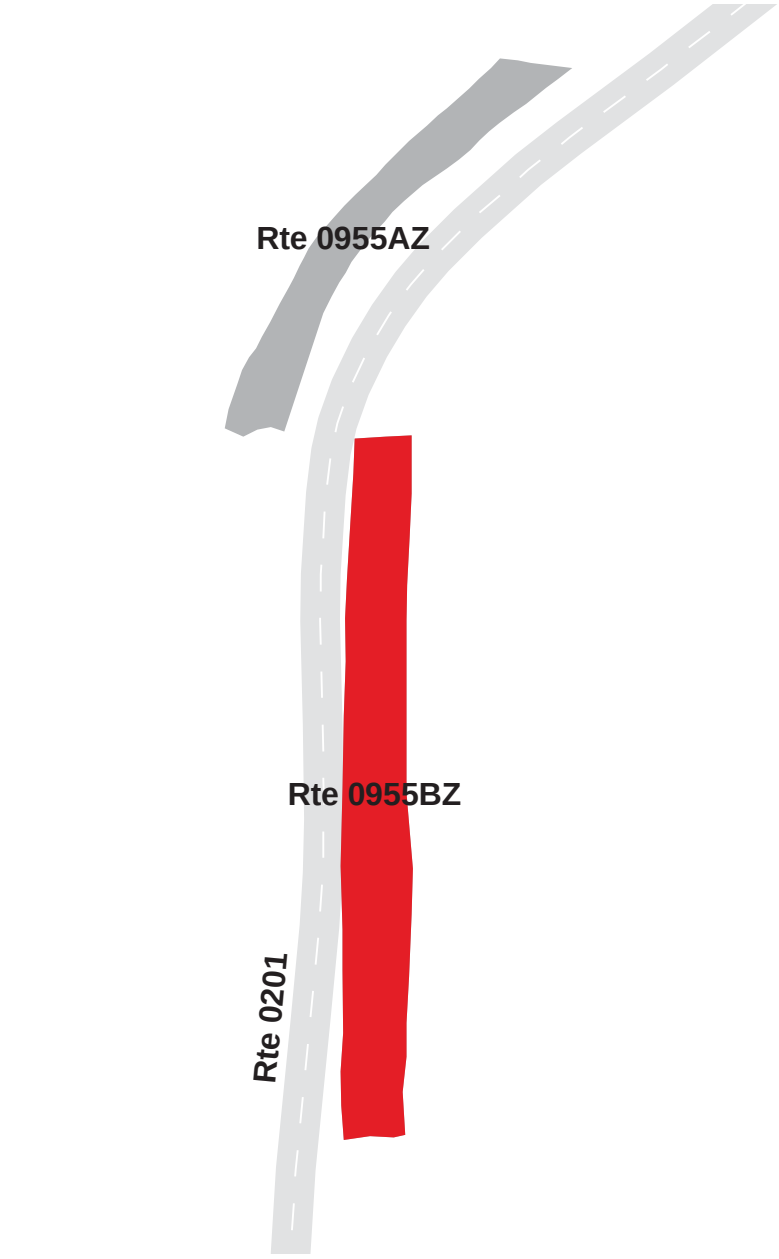
SANDERS PICNIC PARKING B

ADJACENT TO ROUTE 0201 (SANDERS ROAD PICNIC AREA ACCESS ROAD) ON LEFT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0955BZ	PUBLIC	4/14/2009		4,524	0.08	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
0	1	0	0	NO CURB AND GUTTER	ASPHALT CURB	FAIR/73

* Lane miles are based on 11' lane widths



90 45 0 90 Feet

N

CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK

Route 0956

US 27 PICNIC AREA PARKING

FROM US 27 BYPASS (BATTLEFIELD BYPASS)

TO PARKING

Route Number	Public / NonPublic	Date Visited		Area (sq ft)	Lane Miles *	Surface Type
0956	PUBLIC	4/15/2009		22,063	0.38	AS
Culverts	**Drop Inlets**	**Gates**	**Fire Hydrants**	**Curb & Gutter**	**Curb**	**PCR**
1	0	1	0	NO CURB AND GUTTER	CONCRETE CURB	GOOD/90

* Lane miles are based on 11' lane widths

260 130 0 260

Feet

N

Chickamauga & Chattanooga National Military Park

Section 8
Parkwide / Route Maintenance Features Summaries

CHCH: PARKWIDE MAINTENANCE FEATURES SUMMARY

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count below includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

FEATURE	LINEAR FEET	COUNT
BARRIER	2,212	--
BOLLARD	11	--
BRIDGE	--	3
CABLE	0	--
CATTLE GUARD	--	0
CULVERT	--	142
CURB	502	--
DROP INLET	--	40
FIRE HYDRANT	--	9
GATE	--	23
GUARD/GUIDE RAIL	1,621	--
GUARD/GUIDE WALL	591	--
INTERSECTION	--	218
LOW WATER CROSSING	0	0
MILE MARKER	--	0
OVERPASS	--	2
OVERHEAD SIGN	--	2
PARK BOUNDARY	--	6
PAVED DITCH	586	--
PULLOUT	--	30
RAILROAD CROSSING	--	3
RETAINING WALL	16	1
SIGN	--	399
STATE BOUNDARY	--	0
TEMPORARY BARRIER	0	--
TRAFFIC LIGHT	--	2
TUNNEL	0	0
TURNOUT	0	--

CHCH: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0010 MCFARLAND GAP ROAD	ROUTE 0011 LAFAYETTE ROAD	ROUTE 0012 VISITOR CENTER ACCESS	ROUTE 0013 ALEXANDER BRIDGE ROAD	ROUTE 0014 REEDS BRIDGE ROAD	ROUTE 0100 JAYS MILL ROAD	UNIT
BARRIER	1,204	301	0	259	132	11	LINEAR FEET
BOLLARD	0	0	0	0	0	11	LINEAR FEET
BRIDGE	0	2	0	0	1	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	6	16	0	11	6	4	EACH
CURB	164	26	195	0	0	0	LINEAR FEET
DROP INLET	0	4	1	1	1	0	EACH
FIRE HYDRANT	0	1	0	0	2	0	EACH
GATE	0	0	0	0	0	2	EACH
GUARD/GUIDE RAIL	1,162	0	0	259	0	0	LINEAR FEET
GUARD/GUIDE WALL	42	301	0	0	132	11	LINEAR FEET
INTERSECTION	12	27	6	21	17	8	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	2	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	1	2	0	0	1	0	EACH
PAVED DITCH	116	169	0	0	0	0	LINEAR FEET
PULLOUT	0	4	0	0	0	3	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	LINEAR FEET
SIGN	17	84	7	25	33	11	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	1	1	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	LINEAR FEET
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

CHCH: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0101 DYER ROAD	ROUTE 0102 BROTHERTON ROAD	ROUTE 0103 VINIARD ALEXANDER ROAD	ROUTE 0103A VINIARD ALEXANDER ROAD SPUR	ROUTE 0104 VITTETOE ROAD	ROUTE 0105 CHICK-VITTETOE ROAD	UNIT
BARRIER	0	0	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	4	10	16	0	2	16	EACH
CURB	0	95	0	0	0	0	LINEAR FEET
DROP INLET	1	0	0	0	0	2	EACH
FIRE HYDRANT	0	0	0	0	0	0	EACH
GATE	1	3	2	0	0	1	EACH
GUARD/GUIDE RAIL	0	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	9	8	7	4	5	14	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	2	EACH
PARK BOUNDARY	0	0	0	0	0	2	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	1	2	0	0	0	1	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	LINEAR FEET
SIGN	18	24	12	1	3	34	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	LINEAR FEET
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

CHCH: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0106 SANDERS ROAD	ROUTE 0112 SNODGRASS ROAD	ROUTE 0201 SANDERS ROAD PICNIC AREA ACCESS ROAD	ROUTE 0407 MAINTENANCE COMPOUND ACCESS ROAD	ROUTE 0500 GLENN KELLEY ROAD	ROUTE 0501 BATTLELINE ROAD	UNIT
BARRIER	201	0	0	0	0	0	LINEAR FEET
BOLLARD	0	0	0	0	0	0	LINEAR FEET
BRIDGE	0	0	0	0	0	0	EACH
CABLE	0	0	0	0	0	0	LINEAR FEET
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	10	4	3	2	9	1	EACH
CURB	0	0	0	21	0	0	LINEAR FEET
DROP INLET	0	1	0	0	0	0	EACH
FIRE HYDRANT	0	0	0	2	0	0	EACH
GATE	2	1	2	0	0	0	EACH
GUARD/GUIDE RAIL	201	0	0	0	0	0	LINEAR FEET
GUARD/GUIDE WALL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	6	12	6	6	16	7	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	LINEAR FEET
MILE MARKER	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
OVERPASS	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	58	243	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	5	8	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	1	0	0	0	0	0	EACH
RETAINING WALL	16	0	0	0	0	0	LINEAR FEET
SIGN	29	12	8	6	15	9	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TEMPORARY BARRIER	0	0	0	0	0	0	LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	LINEAR FEET
TURNOUT	0	0	0	0	0	0	LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

CHCH: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0502 POE ROAD	ROUTE 0503 GLEN VINIARD ROAD	ROUTE 0600 DRY VALLEY ROAD	ROUTE 0601 LYTLE STATION ROAD	ROUTE 0602 TOWER ROAD		UNIT
BARRIER	0	106	0	0	0		LINEAR FEET
BOLLARD	0	0	0	0	0		LINEAR FEET
BRIDGE	0	0	0	0	0		EACH
CABLE	0	0	0	0	0		LINEAR FEET
CATTLE GUARD	0	0	0	0	0		EACH
CULVERT	2	6	1	1	1		EACH
CURB	0	0	0	0	0		LINEAR FEET
DROP INLET	1	0	0	0	0		EACH
FIRE HYDRANT	0	0	0	0	0		EACH
GATE	0	1	0	1	1		EACH
GUARD/GUIDE RAIL	0	0	0	0	0		LINEAR FEET
GUARD/GUIDE WALL	0	106	0	0	0		LINEAR FEET
INTERSECTION	6	5	3	7	6		EACH
LOW WATER CROSSING	0	0	0	0	0		EACH
LOW WATER CROSSING	0	0	0	0	0		LINEAR FEET
MILE MARKER	0	0	0	0	0		EACH
OVERHEAD SIGN	0	0	0	0	0		EACH
OVERPASS	0	0	0	0	0		EACH
PARK BOUNDARY	0	0	0	0	0		EACH
PAVED DITCH	0	0	0	0	0		LINEAR FEET
PULLOUT	5	1	0	0	0		EACH
RAILROAD CROSSING	0	0	1	1	1		EACH
RETAINING WALL	0	0	0	0	0		EACH
RETAINING WALL	0	0	0	0	0		LINEAR FEET
SIGN	7	10	9	12	13		EACH
STATE BOUNDARY	0	0	0	0	0		EACH
TEMPORARY BARRIER	0	0	0	0	0		LINEAR FEET
TRAFFIC LIGHT	0	0	0	0	0		EACH
TUNNEL	0	0	0	0	0		EACH
TUNNEL	0	0	0	0	0		LINEAR FEET
TURNOUT	0	0	0	0	0		LINEAR FEET

Notice: Culverts and drop inlets were marked by NPS and inventoried by RIP in Cycle 4, therefore the culvert and drop inlet count above includes those on ARAN-driven routes, Manually Rated Routes and in Paved Parking Areas.

CHCH: STRUCTURE LIST

ROUTE NUMBER	FUNCTIONAL CLASS	MILEPOST START	MILEPOST END	FEATURE	STRUCTURE NUMBER
0011	1	0.331	0.339	BRIDGE	5220-005
0011	1	2.994	3.001	BRIDGE	5220-006
0014	1	0.176	0.181	BRIDGE	5220-004

Chickamauga & Chattanooga National Military Park

Section 9
Park Route Maintenance Features Road Logs

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: MCFARLAND GAP ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM PARK BOUNDARY
0.000	0.000	INTERSECTION	N/A	PAVED ROUTE (MCFARLAND AVENUE / NON NPS)
0.000	0.000	PARK BOUNDARY	N/A	
0.000	0.000	INTERSECTION	LEFT	PAVED ROUTE (WHITE ROW STREET / NON NPS)
0.003	0.183	GUARD/GUIDE RAIL	RIGHT	
0.018	0.018	SIGN	RIGHT	REGULATORY, NO NIGHT PARKING
0.021	0.021	SIGN	RIGHT	REGULATORY, CLICK IT OR TICKET
0.021	0.021	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.037	0.045	GUARD/GUIDE WALL	LEFT	
0.041	0.041	CULVERT	N/A	
0.055	0.055	SIGN	RIGHT	GUIDE, CHICKAMAUGA BATTLEFIELD CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK UNITED STATES DEPARTMENT
0.146	0.146	CULVERT	N/A	
0.284	0.284	INTERSECTION	RIGHT	ROUTE 0900 (MULLIS VITTETOE PARKING)
0.294	0.334	GUARD/GUIDE RAIL	RIGHT	
0.321	0.321	CULVERT	N/A	
0.453	0.453	SIGN	RIGHT	REGULATORY, SPEED LIMIT 30
0.456	0.456	CULVERT	N/A	
0.471	0.476	CURB-AND-GUTTER	RIGHT	
0.474	0.474	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.474	0.474	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.480	0.480	INTERSECTION	RIGHT	ROUTE 0901 (PARKING MULLIS ROAD)
0.486	0.499	CURB-AND-GUTTER	RIGHT	
0.498	0.498	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.498	0.498	SIGN	RIGHT	GUIDE, NEW HOPE
0.499	0.499	SIGN	RIGHT	GUIDE, PARK CITY
0.501	0.501	INTERSECTION	LEFT	PAVED ROUTE (PARK CITY ROAD / NON NPS)
0.501	0.501	INTERSECTION	RIGHT	ROUTE 0901 (PARKING MULLIS ROAD)
0.594	0.594	CULVERT	N/A	
0.600	0.600	SIGN	RIGHT	REGULATORY, RADAR ENFORCED
0.600	0.600	SIGN	RIGHT	REGULATORY, SPEED LIMIT 30
0.704	0.704	CULVERT	N/A	
0.735	0.735	INTERSECTION	LEFT	PAVED ROUTE (S GATE / NON NPS)
0.777	0.777	SIGN	RIGHT	REGULATORY, SPEED LIMIT 30

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010: MCFARLAND GAP ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.869	0.891	PAVED DITCH	LEFT	
0.874	0.874	SIGN	RIGHT	REGULATORY, COMMERCIAL VEHICLES EXCLUDED OVER 5 TONS
0.877	0.890	CURB	RIGHT	
0.886	0.886	INTERSECTION	LEFT	ROUTE 0011 (LAFAYETTE ROAD) SPUR
0.886	0.886	INTERSECTION	RIGHT	ROUTE 0011 (LAFAYETTE ROAD) SPUR
0.892	0.892	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.908	0.908	SIGN	RIGHT	GUIDE, FORT OGLETHORPE BUSINESS DISTRICT CHICKAMAUGA BATTLEFIELD VISITOR CENTER
0.910	0.910	INTERSECTION	RIGHT	ROUTE 0011 (LAFAYETTE ROAD)
0.910	0.910	TRAFFIC LIGHT	N/A	X2
0.910	0.910	SIGN	RIGHT	GUIDE, MCFARLAND GAP ROAD
0.910	0.910	INTERSECTION	N/A	ROUTE 0014 (REEDS BRIDGE ROAD)
0.910	0.910	INTERSECTION	LEFT	ROUTE 0011 (LAFAYETTE ROAD)
0.910	0.910	ROUTE END	N/A	TO INTERSECTION OF ROUTE 0011 (LAFAYETTE ROAD) AND 0014 (REEDS BRIDGE ROAD)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: LAFAYETTE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM HARKER ROAD ON LEFT AND RIGHT
0.000	0.000	INTERSECTION	LEFT	PAVED ROUTE (HARKER ROAD / NON NPS)
0.000	0.000	INTERSECTION	N/A	PAVED ROUTE (LAFAYETTE ROAD / NON NPS)
0.000	0.000	INTERSECTION	RIGHT	PAVED ROUTE (WEST HARKER ROAD / NON NPS)
0.000	0.000	PARK BOUNDARY	N/A	
0.000	0.000	SIGN	N/A	REGULATORY, UNABLE TO READ FROM VIDEO
0.000	0.000	SIGN	RIGHT	GUIDE, CHURCH OF CHRIST WELCOME
0.004	0.004	DROP INLET	RIGHT	
0.026	0.026	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.026	0.026	SIGN	RIGHT	REGULATORY, 6TH CAVALRY MUSEUM
0.026	0.026	SIGN	RIGHT	REGULATORY, NO NIGHT PARKING
0.034	0.034	SIGN	RIGHT	GUIDE, TOURIST INFO
0.034	0.034	SIGN	RIGHT	GUIDE, FT OGLETHORPE HIST DISTRICT
0.034	0.034	SIGN	RIGHT	GUIDE, 6TH CAVALRY MUSEUM
0.038	0.038	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.038	0.038	SIGN	RIGHT	REGULATORY, COMMERCIAL VEHICLES EXCLUDED
0.038	0.038	SIGN	RIGHT	REGULATORY, SPEED LIMIT 30
0.057	0.057	SIGN	RIGHT	GUIDE, ENTERING FORT OGLETHORPE
0.093	0.093	SIGN	RIGHT	GUIDE, CHICKAMAUGA BATTLEFIELD CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK UNITED STATES DEPARTMENT
0.102	0.134	PAVED DITCH	RIGHT	
0.114	0.114	SIGN	RIGHT	GUIDE, METAL DETECTORS AND WEAPONS PROHIBITED
0.114	0.114	SIGN	RIGHT	GUIDE, VISITOR CENTER
0.135	0.135	INTERSECTION	LEFT	ROUTE 0014 (REEDS BRIDGE ROAD) SPUR
0.135	0.135	INTERSECTION	RIGHT	ROUTE 0010 (MCFARLAND GAP ROAD) SPUR
0.136	0.136	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.144	0.144	DROP INLET	RIGHT	
0.149	0.149	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.150	0.150	INTERSECTION	RIGHT	ROUTE 0010 (MCFARLAND GAP ROAD)
0.150	0.150	SIGN	N/A	REGULATORY, UNABLE TO READ FROM VIDEO
0.150	0.150	SIGN	RIGHT	GUIDE, REEDS BRIDGE ROAD
0.150	0.150	INTERSECTION	LEFT	ROUTE 0014 (REEDS BRIDGE ROAD)
0.153	0.153	TRAFFIC LIGHT	N/A	X2
0.156	0.156	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: LAFAYETTE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.156	0.156	SIGN	RIGHT	GUIDE, MCFARLAND GAP ROAD
0.165	0.165	INTERSECTION	LEFT	ROUTE 0014 (REEDS BRIDGE ROAD) SPUR
0.165	0.165	INTERSECTION	RIGHT	ROUTE 0010 (MCFARLAND GAP ROAD) SPUR
0.168	0.168	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.175	0.175	SIGN	RIGHT	REGULATORY, COMMERCIAL VEHICLES EXCLUDED
0.180	0.180	DROP INLET	RIGHT	
0.198	0.198	INTERSECTION	RIGHT	ROUTE 0012 (VISITOR CENTER ACCESS)
0.204	0.204	SIGN	RIGHT	GUIDE, VISITOR CENTER MUSEUM INFORMATION
0.205	0.205	SIGN	RIGHT	REGULATORY, ONE WAY
0.207	0.207	SIGN	RIGHT	GUIDE, VISITOR CENTER MUSEUM INFORMATION
0.211	0.211	SIGN	RIGHT	REGULATORY, SPEED LIMIT 30
0.212	0.212	INTERSECTION	LEFT	ROUTE 0414 (ACCESS ROAD HQ ADMINISTRATION BUILDING)
0.242	0.242	FIRE HYDRANT	LEFT	
0.245	0.245	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.249	0.249	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.268	0.268	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.270	0.270	INTERSECTION	RIGHT	ROUTE 0012 (VISITOR CENTER ACCESS)
0.276	0.276	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.285	0.285	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.301	0.301	SIGN	RIGHT	REGULATORY, ALEXANDER BRIDGE CLOSED
0.329	0.341	GUARD/GUIDE WALL	LEFT	
0.329	0.342	GUARD/GUIDE WALL	RIGHT	
0.331	0.339	BRIDGE	N/A	5220-005 (LAFAYETTE ROAD BRIDGE #1)
0.395	0.435	PULLOUT	LEFT	
0.405	0.405	SIGN	RIGHT	REGULATORY, 1 TOUR
0.408	0.408	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.409	0.409	SIGN	RIGHT	REGULATORY, FLORDIA MONUMENT
0.414	0.414	INTERSECTION	RIGHT	ROUTE 0908 (PARKING TOUR STOP #1)
0.439	0.439	SIGN	RIGHT	REGULATORY, SPEED LIMIT 30
0.478	0.478	CULVERT	N/A	
0.486	0.486	SIGN	RIGHT	REGULATORY, TOUR
0.492	0.492	INTERSECTION	LEFT	ROUTE 0013 (ALEXANDER BRIDGE ROAD)
0.510	0.510	SIGN	RIGHT	GUIDE, ALEXANDER BRIDGE ROAD
0.510	0.510	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: LAFAYETTE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.530	0.530	INTERSECTION	LEFT	ROUTE 0013A (ALEXANDER BRIDGE ROAD SPUR)
0.530	0.530	INTERSECTION	RIGHT	ROUTE 0500 (GLENN KELLEY ROAD)
0.544	0.544	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.549	0.549	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.549	0.549	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
0.549	0.549	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
0.576	0.576	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.576	0.576	SIGN	RIGHT	REGULATORY, SPEED LIMIT 30
0.762	0.762	CULVERT	N/A	
0.818	0.818	SIGN	RIGHT	REGULATORY, SPEED LIMIT 30
0.818	0.818	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.858	0.858	CULVERT	N/A	
0.913	0.913	SIGN	RIGHT	REGULATORY, REDUCED SPEED AHEAD
1.029	1.090	PULLOUT	LEFT	
1.149	1.149	CULVERT	N/A	
1.276	1.276	DROP INLET	RIGHT	
1.344	1.344	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
1.350	1.350	INTERSECTION	LEFT	ROUTE 0501 (BATTLELINE ROAD)
1.358	1.358	INTERSECTION	RIGHT	ROUTE 0502 (POE ROAD)
1.363	1.363	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
1.368	1.368	CULVERT	N/A	
1.497	1.497	CULVERT	N/A	
1.541	1.636	PULLOUT	LEFT	
1.601	1.601	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
1.601	1.601	SIGN	RIGHT	REGULATORY, UNABLE TO READ FROM VIDEO
1.624	1.624	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
1.630	1.630	SIGN	RIGHT	REGULATORY, DO NOT ENTER
1.634	1.634	INTERSECTION	RIGHT	ROUTE 0502 (POE ROAD)
1.635	1.635	SIGN	LEFT	REGULATORY, TOUR
1.636	1.636	SIGN	RIGHT	REGULATORY, GRAPHIC SIGN, NO TEXT
1.733	1.733	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
1.777	1.777	CULVERT	N/A	
1.780	1.780	INTERSECTION	RIGHT	ROUTE 0101 (DYER ROAD)
1.803	1.803	INTERSECTION	RIGHT	ROUTE 0909 (BROTHERTON CABIN PARKING AREA)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: LAFAYETTE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.813	1.813	SIGN	LEFT	GUIDE, BROTHERTON ROAD
1.813	1.813	SIGN	RIGHT	GUIDE, BROTHERTON ROAD
1.814	1.814	SIGN	RIGHT	GUIDE, CHICKAMAUGA BATTLEFIELD CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK DIAL AND DISCOVER CELL PH
1.814	1.814	SIGN	RIGHT	REGULATORY, 4 TOUR
1.816	1.816	CULVERT	N/A	
1.818	1.818	INTERSECTION	LEFT	ROUTE 0102 (BROTHERTON ROAD)
1.935	1.935	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
1.989	1.989	CULVERT	N/A	
2.151	2.151	CULVERT	N/A	
2.365	2.365	CULVERT	N/A	
2.386	2.386	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.427	2.427	INTERSECTION	RIGHT	UNPAVED ROUTE
2.515	2.515	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.628	2.628	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
2.674	2.674	CULVERT	N/A	
2.694	2.694	CULVERT	N/A	
2.700	2.700	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
2.735	2.735	SIGN	RIGHT	REGULATORY, 5 TOUR
2.736	2.780	PULLOUT	RIGHT	
2.778	2.778	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
2.778	2.778	SIGN	RIGHT	REGULATORY, BIG MONUMENT 200 FEET
2.795	2.795	SIGN	LEFT	GUIDE, VINIARD ALEXANDER ROAD
2.796	2.796	SIGN	RIGHT	GUIDE, VINIARD ALEXANDER ROAD
2.799	2.799	INTERSECTION	LEFT	ROUTE 0103 (VINIARD ALEXANDER ROAD)
2.815	2.815	CULVERT	N/A	
2.936	2.936	SIGN	RIGHT	REGULATORY, TOUR
2.969	2.969	INTERSECTION	RIGHT	ROUTE 0503 (GLEN VINIARD ROAD)
2.980	2.980	SIGN	RIGHT	GUIDE, GLENN VINIARD ROAD
2.981	2.981	SIGN	LEFT	GUIDE, GLENN VINIARD ROAD
2.993	3.009	GUARD/GUIDE WALL	LEFT	
2.993	3.009	GUARD/GUIDE WALL	RIGHT	
2.994	3.001	BRIDGE	N/A	5220-006 (LAFAYETTE ROAD BRIDGE #2)
3.044	3.044	INTERSECTION	LEFT	UNPAVED ROUTE (GATED)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011: LAFAYETTE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
3.195	3.195	CULVERT	N/A	
3.196	3.196	SIGN	LEFT	GUIDE, LAFAYETTE ROAD
3.196	3.196	SIGN	RIGHT	GUIDE, LAFAYETTE ROAD
3.246	3.246	SIGN	RIGHT	REGULATORY, ALEXANDER BRIDGE CLOSED
3.263	3.263	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
3.263	3.263	SIGN	RIGHT	REGULATORY, RADAR ENFORCED
3.263	3.263	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
3.264	3.264	CULVERT	N/A	
3.299	3.299	SIGN	RIGHT	GUIDE, CHICKAMAUGA BATTLEFIELD CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK UNITED STATED DEPARTMENT
3.371	3.371	SIGN	RIGHT	GUIDE, METAL DETECTORS AND WEAPONS PROHIBITED
3.371	3.371	SIGN	RIGHT	REGULATORY, NO NIGHT PARKING
3.375	3.380	CURB	LEFT	
3.380	3.380	INTERSECTION	N/A	PAVED ROUTE (LAFAYETTE ROAD / NON NPS)
3.380	3.380	PARK BOUNDARY	N/A	
3.380	3.380	ROUTE END	N/A	TO SOUTH PARK BOUNDARY

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012: VISITOR CENTER ACCESS

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 (LAFAYETTE ROAD) AT MP 0.20
0.000	0.100	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (LAFAYETTE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (LAFAYETTE ROAD)
0.008	0.008	SIGN	LEFT	GUIDE, VISITOR CENTER MUSEUM INFORMATION
0.040	0.058	CURB	RIGHT	
0.040	0.059	CURB	LEFT	
0.062	0.062	SIGN	RIGHT	GUIDE, VISITOR ENTRANCE CAR PARKING BUS PARKING
0.071	0.071	INTERSECTION	RIGHT	ROUTE 0906 (VISITOR CENTER PARKING CHCH)
0.071	0.071	SIGN	LEFT	REGULATORY, ONE WAY
0.078	0.078	INTERSECTION	RIGHT	ROUTE 0907 (VISITOR CENTER OVERFLOW PARKING CHCH)
0.091	0.091	SIGN	LEFT	REGULATORY, LEFT TURN ONLY
0.091	0.091	SIGN	LEFT	REGULATORY, STOP
0.091	0.091	SIGN	RIGHT	REGULATORY, STOP
0.091	0.091	SIGN	RIGHT	REGULATORY, TOUR
0.094	0.094	DROP INLET	RIGHT	
0.100	0.100	INTERSECTION	RIGHT	ROUTE 0011 (LAFAYETTE ROAD)
0.100	0.100	INTERSECTION	LEFT	ROUTE 0011 (LAFAYETTE ROAD)
0.100	0.100	ROUTE END	N/A	TO ROUTE 0011 (LAFAYETTE ROAD) AT MP 0.27

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013: ALEXANDER BRIDGE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 (LAFAYETTE ROAD) AT MP 0.49
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (LAFAYETTE ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0011 (LAFAYETTE ROAD)
0.012	0.012	DROP INLET	RIGHT	
0.013	0.013	SIGN	RIGHT	REGULATORY, STOP
0.017	0.017	SIGN	RIGHT	GUIDE, ALEXANDER BRIDGE ROAD
0.029	0.029	SIGN	LEFT	REGULATORY, STOP
0.040	0.040	SIGN	LEFT	REGULATORY, NO PARKING ANY TIME
0.043	0.043	INTERSECTION	RIGHT	ROUTE 0013A (ALEXANDER BRIDGE ROAD SPUR)
0.051	0.051	INTERSECTION	RIGHT	ROUTE 0910 (KENTUCKY MONUMENT PARKING AREA)
0.058	0.058	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.063	0.063	SIGN	RIGHT	REGULATORY, ALEXANDER BRIDGE CLOSED 2.5 MILES AHEAD
0.140	0.140	CULVERT	N/A	
0.219	0.219	CULVERT	N/A	
0.299	0.299	INTERSECTION	LEFT	ROUTE 0911 (GEORGIA MONUMENT PARKING AREA)
0.350	0.350	SIGN	RIGHT	GUIDE, BATTLELINE ROAD
0.351	0.351	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.358	0.358	INTERSECTION	LEFT	ROUTE 0912 (HELM/COLQUITT MONUMENTS PARKING)
0.358	0.358	INTERSECTION	RIGHT	ROUTE 0501 (BATTLELINE ROAD)
0.363	0.363	SIGN	RIGHT	REGULATORY, TOUR
0.417	0.417	SIGN	RIGHT	REGULATORY, WEIGHT LIMIT 3 TONS
0.453	0.453	CULVERT	N/A	
0.598	0.598	CULVERT	N/A	
0.635	0.635	INTERSECTION	LEFT	ROUTE 0913 (PARKING AREA ON LEFT ALEXANDER BRIDGE ROAD)
0.668	0.668	INTERSECTION	RIGHT	ROUTE 0914 (PARKING AREA ON RIGHT ALEXANDER BRIDGE ROAD)
0.741	0.741	CULVERT	N/A	
1.076	1.076	INTERSECTION	RIGHT	ROUTE 0915 (COST OF CHICKAMAUGA INTERPRETIVE TRAIL PARKING)
1.144	1.144	CULVERT	N/A	
1.284	1.284	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
1.322	1.322	INTERSECTION	RIGHT	ROUTE 0102 (BROTHERTON ROAD)
1.322	1.322	INTERSECTION	LEFT	ROUTE 0102 (BROTHERTON ROAD)
1.338	1.338	CULVERT	N/A	

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013: ALEXANDER BRIDGE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.339	1.339	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
1.400	1.400	INTERSECTION	RIGHT	ROUTE 0916 (SMITH MONUMENT PARKING)
1.410	1.410	SIGN	LEFT	REGULATORY, SMITH MONUMENT
1.410	1.410	SIGN	RIGHT	REGULATORY, SMITH MONUMENT
1.477	1.477	CULVERT	N/A	
1.606	1.606	CULVERT	N/A	
1.917	1.917	INTERSECTION	LEFT	ROUTE 0918 (PARKING ALEXANDER BRIDGE ON RIGHT AT HORSE TRAIL)
1.917	1.917	INTERSECTION	RIGHT	ROUTE 0917 (PARKING ALEXANDER BRIDGE ON LEFT AT HORSE TRAIL)
2.119	2.119	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
2.162	2.162	SIGN	RIGHT	GUIDE, JAY'S MILL ROAD
2.162	2.162	SIGN	LEFT	GUIDE, JAY'S MILL ROAD
2.164	2.164	INTERSECTION	LEFT	ROUTE 0100 (JAYS MILL ROAD)
2.171	2.196	GUARD/GUIDE RAIL	RIGHT	
2.177	2.201	GUARD/GUIDE RAIL	LEFT	
2.184	2.184	CULVERT	N/A	
2.222	2.222	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
2.445	2.445	INTERSECTION	RIGHT	ROUTE 0103A (VINIARD ALEXANDER ROAD SPUR)
2.495	2.495	SIGN	LEFT	GUIDE, VINIARD ALEXANDER ROAD
2.496	2.496	SIGN	RIGHT	GUIDE, VINIARD ALEXANDER ROAD
2.508	2.508	INTERSECTION	RIGHT	ROUTE 0103 (VINIARD ALEXANDER ROAD)
2.519	2.519	INTERSECTION	LEFT	ROUTE 0919 (PARKING AREA VINIARD ALEXANDER BRIDGE)
2.521	2.540	LANE DEVIATION	N/A	
2.530	2.530	SIGN	RIGHT	GUIDE, NO TRUCKS OR BUSES
2.530	2.530	SIGN	RIGHT	GUIDE, PEDESTRIANS AND BICYCLES TRAFFIC ONLY
2.644	2.644	CULVERT	N/A	
2.709	2.709	SIGN	RIGHT	GUIDE, CHICKAMAUGA BATTLEFIELD CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK UNITED STATES DEPARTMENT
2.749	2.749	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
2.758	2.758	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
2.802	2.802	INTERSECTION	RIGHT	ROUTE 0920 (ALEXANDER BRIDGE PARKING)
2.830	2.830	INTERSECTION	N/A	ROUTE 0013 (ALEXANDER BRIDGE ROAD)
2.830	2.830	ROUTE END	N/A	TO PARK BOUNDARY

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014: REEDS BRIDGE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM INTERSECTION OF ROUTES 0011 (LAFAYETTE ROAD) AND 0010 (MCFARLAND GAP ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (LAFAYETTE ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0010 (MCFARLAND GAP ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (LAFAYETTE ROAD)
0.000	0.000	SIGN	RIGHT	REGULATORY, YIELD
0.015	0.015	SIGN	RIGHT	REGULATORY, COMMERCIAL VEHICLES EXCLUDED OVER 5 TONS
0.016	0.016	CULVERT	N/A	
0.020	0.020	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.024	0.024	DROP INLET	LEFT	
0.025	0.025	INTERSECTION	RIGHT	ROUTE 0011 (LAFAYETTE ROAD) SPUR
0.025	0.025	INTERSECTION	LEFT	ROUTE 0014 (REEDS BRIDGE ROAD) SPUR
0.081	0.081	INTERSECTION	LEFT	ROUTE 0953 (REEDS BRIDGE PICNIC AREA PARKING)
0.170	0.170	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.170	0.170	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.170	0.183	GUARD/GUIDE WALL	LEFT	
0.171	0.183	GUARD/GUIDE WALL	RIGHT	
0.176	0.181	BRIDGE	N/A	5220-004 (REED'S BRIDGE ROAD BRIDGE)
0.254	0.254	CULVERT	N/A	
0.326	0.326	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.329	0.329	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.391	0.391	INTERSECTION	RIGHT	ROUTE 0902 (TENNESSEE MONUMENT PARKING AREA)
0.395	0.395	SIGN	LEFT	REGULATORY, STOP
0.396	0.396	INTERSECTION	LEFT	PAVED ROUTE (FORREST ROAD / NON NPS)
0.433	0.433	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.465	0.465	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.627	0.627	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
0.641	0.641	CULVERT	N/A	
0.681	0.681	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.681	0.681	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.683	0.683	INTERSECTION	LEFT	PAVED ROUTE (DELOROS DRIVE / NON NPS)
0.686	0.686	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.748	0.748	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.778	0.778	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014: REEDS BRIDGE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.801	0.801	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.811	0.811	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
1.030	1.030	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
1.039	1.039	INTERSECTION	LEFT	ROUTE 0903 (PARKING AREA ON LEFT REEDS BRIDGE ROAD)
1.051	1.051	INTERSECTION	RIGHT	ROUTE 0904 (BRANNANS DIVISION MONUMENT PARKING ON RIGHT)
1.355	1.355	FIRE HYDRANT	LEFT	
1.385	1.385	SIGN	LEFT	GUIDE, ROCK HAVEN
1.386	1.386	SIGN	RIGHT	GUIDE, ROCK HAVEN LN
1.387	1.387	INTERSECTION	LEFT	PAVED ROUTE (ROCK HAVEN LANE / NON NPS)
1.443	1.443	INTERSECTION	LEFT	PAVED ROUTE (SHOEMAKER LANE / NON NPS)
1.449	1.449	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
1.450	1.450	SIGN	RIGHT	GUIDE, SHOEMAKE LN
1.454	1.454	FIRE HYDRANT	LEFT	
1.500	1.500	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
1.551	1.551	CULVERT	N/A	
1.776	1.776	INTERSECTION	RIGHT	ROUTE 0905 (ILLINOIS MONUMENT PARKING AREA)
1.839	1.839	CULVERT	N/A	
1.871	1.871	SIGN	RIGHT	REGULATORY, SPEED LIMIT 35
1.871	1.871	SIGN	RIGHT	REGULATORY, NO NIGHT PARKING
1.949	1.949	SIGN	RIGHT	GUIDE, CHICKAMAUGA BATTLEFIELD CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK UNITED STATES DEPARTMENT
1.966	1.966	SIGN	LEFT	REGULATORY, COMMERCIAL VEHICLES EXCLUDED
1.966	1.966	SIGN	RIGHT	GUIDE, TAPE TOUR ROUTE
1.966	1.966	SIGN	LEFT	GUIDE, METAL DETECTORS AND WEAPONS PROHIBITED
1.970	1.970	SIGN	RIGHT	GUIDE, REEDS BRIDGE ROAD
1.974	1.974	INTERSECTION	RIGHT	ROUTE 0100 (JAYS MILL ROAD)
1.976	1.976	CULVERT	N/A	
1.979	1.979	SIGN	LEFT	GUIDE, HOOK
1.979	1.979	SIGN	RIGHT	GUIDE, HOOK LN
1.980	1.980	INTERSECTION	LEFT	PAVED ROUTE (HOOK LANE / NON NPS)
1.980	1.980	INTERSECTION	N/A	PAVED ROUTE (REEDS BRIDGE ROAD / NON NPS)
1.980	1.980	PARK BOUNDARY	N/A	
1.980	1.980	ROUTE END	N/A	TO PARK BOUNDARY

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0100: JAYS MILL ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0014 (REEDS BRIDGE ROAD) AT MP 1.97
0.000	0.000	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0014 (REEDS BRIDGE ROAD)
0.000	0.000	INTERSECTION	LEFT	PAVED ROUTE (REEDS BRIDGE ROAD / NON NPS)
0.007	0.007	SIGN	RIGHT	REGULATORY, STOP
0.008	0.008	GATE	N/A	
0.008	0.008	SIGN	N/A	REGULATORY, ROAD CLOSED
0.018	0.018	INTERSECTION	RIGHT	ROUTE 0921 (PARKING ON RIGHT CONFEDERATES CREEK CROSSING)
0.028	0.057	PULLOUT	LEFT	
0.031	0.031	SIGN	RIGHT	REGULATORY, COMMERCIAL VEHICLES EXCLUDED
0.031	0.031	SIGN	RIGHT	REGULATORY, NO NIGHT PARKING
0.133	0.133	INTERSECTION	RIGHT	ROUTE 0922 (JAY'S MILL PARKING ON RIGHT)
0.166	0.166	CULVERT	N/A	
0.169	0.171	GUARD/GUIDE WALL	LEFT	
0.170	0.170	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.172	0.172	INTERSECTION	RIGHT	ROUTE 0102 (BROTHERTON ROAD)
0.184	0.184	SIGN	RIGHT	REGULATORY, ALEXANDER BRIDGE CLOSED
0.194	0.216	PULLOUT	RIGHT	
0.229	0.229	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.364	0.364	INTERSECTION	LEFT	UNPAVED ROUTE (GATED)
0.414	0.414	CULVERT	N/A	
0.476	0.476	CULVERT	N/A	
0.940	0.940	CULVERT	N/A	
1.039	1.039	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
1.055	1.055	GATE	N/A	
1.055	1.055	SIGN	N/A	REGULATORY, ROAD CLOSED
1.056	1.083	PULLOUT	RIGHT	
1.097	1.097	SIGN	RIGHT	REGULATORY, STOP
1.100	1.100	INTERSECTION	RIGHT	ROUTE 0013 (ALEXANDER BRIDGE ROAD)
1.100	1.100	INTERSECTION	LEFT	ROUTE 0013 (ALEXANDER BRIDGE ROAD)
1.100	1.100	ROUTE END	N/A	TO ROUTE 0013 (ALEXANDER BRIDGE ROAD)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0101: DYER ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0105 (CHICK-VITTETOE ROAD) AT MP 0.87
0.000	0.000	INTERSECTION	LEFT	ROUTE 0105 (CHICK-VITTETOE ROAD)
0.000	0.000	INTERSECTION	N/A	UNPAVED ROUTE
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0105 (CHICK-VITTETOE ROAD)
0.002	0.002	SIGN	RIGHT	REGULATORY, STOP
0.046	0.046	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.050	0.050	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.067	0.067	SIGN	RIGHT	REGULATORY, NO PARKING
0.188	0.188	INTERSECTION	LEFT	ROUTE 0407 (MAINTENANCE COMPOUND ACCESS ROAD)
0.220	0.220	DROP INLET	LEFT	
0.291	0.291	CULVERT	N/A	
0.296	0.296	INTERSECTION	LEFT	ROUTE 0923 (DYER HOUSE PARKING ON LEFT)
0.384	0.384	CULVERT	N/A	
0.426	0.426	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.465	0.465	SIGN	RIGHT	REGULATORY, STOP
0.465	0.465	SIGN	LEFT	REGULATORY, ONE WAY
0.473	0.473	INTERSECTION	LEFT	ROUTE 0500 (GLENN KELLEY ROAD)
0.473	0.473	INTERSECTION	RIGHT	ROUTE 0500 (GLENN KELLEY ROAD)
0.473	0.473	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.473	0.473	SIGN	RIGHT	GUIDE, GLENN - KELLY ROAD
0.484	0.484	SIGN	RIGHT	REGULATORY, STOP
0.524	0.524	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.566	0.566	CULVERT	N/A	
0.630	0.658	PULLOUT	LEFT	
0.694	0.694	SIGN	LEFT	REGULATORY, NO PARKING ANY TIME
0.694	0.694	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
0.741	0.741	SIGN	RIGHT	REGULATORY, NO PARKING
0.741	0.741	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.755	0.755	GATE	N/A	
0.755	0.755	SIGN	N/A	REGULATORY, ROAD CLOSED
0.758	0.758	CULVERT	N/A	
0.760	0.760	INTERSECTION	LEFT	ROUTE 0011 (LAFAYETTE ROAD)
0.760	0.760	INTERSECTION	RIGHT	ROUTE 0011 (LAFAYETTE ROAD)
0.760	0.760	SIGN	RIGHT	GUIDE, DYER ROAD

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0101: DYER ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.760	0.760	SIGN	RIGHT	REGULATORY, STOP
0.760	0.760	ROUTE END	N/A	TO ROUTE 0011 (LAFAYETTE ROAD)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0102: BROTHERTON ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 (LAFAYETTE ROAD) AT MP 1.82
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (LAFAYETTE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (LAFAYETTE ROAD)
0.005	0.008	CURB	RIGHT	
0.007	0.007	SIGN	RIGHT	REGULATORY, STOP
0.007	0.008	CURB	LEFT	
0.009	0.009	SIGN	N/A	REGULATORY, ROAD CLOSED
0.009	0.009	GATE	N/A	
0.030	0.030	CULVERT	N/A	
0.060	0.060	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.155	0.155	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.159	0.159	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.273	0.273	CULVERT	N/A	
0.326	0.326	CULVERT	N/A	
0.520	0.520	CULVERT	N/A	
0.669	0.694	PULLOUT	LEFT	
0.733	0.733	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.804	0.804	CULVERT	N/A	
0.887	0.908	PULLOUT	RIGHT	
1.001	1.001	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
1.008	1.008	GATE	N/A	
1.008	1.008	SIGN	N/A	REGULATORY, ROAD CLOSED
1.010	1.010	CULVERT	N/A	
1.010	1.010	SIGN	RIGHT	REGULATORY, STOP
1.011	1.011	SIGN	LEFT	GUIDE, ALEXANDER BRIDGE
1.012	1.012	SIGN	RIGHT	GUIDE, ALEXANDER BRIDGE ROAD
1.019	1.019	INTERSECTION	LEFT	ROUTE 0013 (ALEXANDER BRIDGE ROAD)
1.019	1.019	INTERSECTION	RIGHT	ROUTE 0013 (ALEXANDER BRIDGE ROAD)
1.028	1.028	SIGN	RIGHT	REGULATORY, STOP
1.029	1.029	GATE	N/A	
1.038	1.038	INTERSECTION	RIGHT	ROUTE 0924 (PARKING BROTHERTON PICNIC AREA)
1.044	1.058	CURB-AND-GUTTER	RIGHT	
1.060	1.060	INTERSECTION	RIGHT	ROUTE 0924 (PARKING BROTHERTON PICNIC AREA)
1.072	1.072	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0102: BROTHERTON ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.168	1.168	CULVERT	N/A	
1.232	1.232	SIGN	LEFT	REGULATORY, BALDWIN MONUMENT
1.232	1.232	SIGN	RIGHT	REGULATORY, BALDWIN MONUMENT
1.382	1.382	CULVERT	N/A	
1.598	1.598	CULVERT	N/A	
1.623	1.623	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
1.626	1.626	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
1.642	1.642	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
1.644	1.644	SIGN	RIGHT	REGULATORY, BRAGG'S HEADQUARTERS
1.645	1.645	SIGN	LEFT	REGULATORY, BRAGG'S HEADQUARTERS
1.908	1.908	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
1.960	1.960	INTERSECTION	LEFT	ROUTE 0100 (JAYS MILL ROAD)
1.960	1.960	INTERSECTION	RIGHT	ROUTE 0100 (JAYS MILL ROAD)
1.960	1.960	SIGN	LEFT	GUIDE, BROTHERTON ROAD
1.960	1.960	SIGN	N/A	GUIDE, JAY'S MILL ROAD
1.960	1.960	SIGN	RIGHT	REGULATORY, STOP
1.960	1.960	CULVERT	N/A	
1.960	1.960	ROUTE END	N/A	TO ROUTE 0100 (JAYS MILL ROAD)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0103: VINIARD ALEXANDER ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 (LAFAYETTE ROAD) AT MP 2.80
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (LAFAYETTE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (LAFAYETTE ROAD)
0.006	0.006	GATE	N/A	
0.006	0.006	SIGN	N/A	REGULATORY, ROAD CLOSED
0.007	0.007	SIGN	RIGHT	REGULATORY, STOP
0.016	0.016	CULVERT	N/A	
0.021	0.021	SIGN	RIGHT	REGULATORY, ALEXANDER BRIDGE CLOSED 2.0 MILES AHEAD
0.047	0.047	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.095	0.095	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.128	0.128	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.198	0.198	CULVERT	N/A	
0.257	0.257	SIGN	RIGHT	WARNING, 15 M.P.H.
0.257	0.257	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.324	0.324	CULVERT	N/A	
0.380	0.380	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
0.381	0.381	SIGN	LEFT	REGULATORY, NO PARKING ANY TIME
0.425	0.425	CULVERT	N/A	
0.612	0.612	CULVERT	N/A	
0.642	0.642	INTERSECTION	RIGHT	UNPAVED PARKING
0.822	0.822	CULVERT	N/A	
0.916	0.916	CULVERT	N/A	
1.019	1.019	CULVERT	N/A	
1.128	1.128	CULVERT	N/A	
1.250	1.250	CULVERT	N/A	
1.330	1.330	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
1.374	1.374	CULVERT	N/A	
1.600	1.600	CULVERT	N/A	
1.672	1.672	CULVERT	N/A	
1.806	1.806	CULVERT	N/A	
1.870	1.870	CULVERT	N/A	
1.909	1.909	GATE	N/A	
1.909	1.909	SIGN	N/A	REGULATORY, ROAD CLOSED
1.950	1.950	INTERSECTION	LEFT	ROUTE 0103A (VINIARD ALEXANDER ROAD SPUR)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0103: VINIARD ALEXANDER ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.956	1.956	CULVERT	N/A	
2.020	2.020	INTERSECTION	N/A	ROUTE 0919 (PARKING AREA VINIARD ALEXANDER BRIDGE)
2.020	2.020	INTERSECTION	RIGHT	ROUTE 0013 (ALEXANDER BRIDGE ROAD)
2.020	2.020	INTERSECTION	LEFT	ROUTE 0013 (ALEXANDER BRIDGE ROAD)
2.020	2.020	ROUTE END	N/A	TO ROUTE 0013 (ALEXANDER BRIDGE ROAD)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0103A: VINIARD ALEXANDER ROAD SPUR

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0013 (ALEXANDER BRIDGE ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0013 (ALEXANDER BRIDGE ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0013 (ALEXANDER BRIDGE ROAD)
0.015	0.015	SIGN	RIGHT	REGULATORY, STOP
0.060	0.060	INTERSECTION	LEFT	ROUTE 0103 (VINIARD ALEXANDER ROAD)
0.060	0.060	INTERSECTION	RIGHT	ROUTE 0103 (VINIARD ALEXANDER ROAD)
0.060	0.060	ROUTE END	N/A	TO ROUTE 0103 (VINIARD ALEXANDER ROAD)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0104: VITTETOE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0112 (SNODGRASS ROAD)
0.000	0.000	INTERSECTION	LEFT	ROUTE 0112 (SNODGRASS ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0112 (SNODGRASS ROAD)
0.002	0.002	CULVERT	N/A	
0.004	0.004	SIGN	RIGHT	REGULATORY, YIELD
0.025	0.025	INTERSECTION	LEFT	UNPAVED ROUTE
0.026	0.026	CULVERT	N/A	
0.046	0.046	SIGN	LEFT	REGULATORY, TOUR
0.046	0.046	SIGN	RIGHT	REGULATORY, YIELD
0.050	0.050	INTERSECTION	N/A	ROUTE 0112 (SNODGRASS ROAD)
0.050	0.050	INTERSECTION	RIGHT	ROUTE 0112 (SNODGRASS ROAD)
0.050	0.050	ROUTE END	N/A	TO ROUTE 0105 (CHICK-VITTETOE ROAD)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0105: CHICK-VITTETOE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM NORTHWEST PARK BOUNDARY
0.000	0.000	INTERSECTION	N/A	PAVED ROUTE (LYTLE ROAD / NON NPS)
0.000	0.000	PARK BOUNDARY	N/A	
0.000	0.000	SIGN	RIGHT	REGULATORY, RAILROAD CROSSING
0.000	0.000	SIGN	RIGHT	REGULATORY, STOP
0.002	0.002	CULVERT	N/A	
0.030	0.030	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (U.S. HIGHWAY 27 SOUTHBOUND)
0.038	0.038	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.044	0.044	OVERPASS	N/A	A BIP STRUCTURE NUMBER HAS NOT BEEN ASSIGNED TO THIS BRIDGE (U.S. HIGHWAY 27 NORTHBOUND)
0.049	0.049	SIGN	RIGHT	GUIDE, METAL DETECTORS AND WEAPONS PROHIBITED
0.049	0.049	SIGN	RIGHT	REGULATORY, COMMERCIAL VEHICLES EXCLUDED
0.049	0.049	SIGN	RIGHT	GUIDE, ENTERING CHICKAMAUGA BATTLEFIELD
0.077	0.077	SIGN	RIGHT	REGULATORY, NO NIGHT PARKING
0.077	0.077	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.103	0.103	CULVERT	N/A	
0.182	0.182	CULVERT	N/A	
0.328	0.328	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.340	0.340	CULVERT	N/A	
0.353	0.353	INTERSECTION	RIGHT	ROUTE 0600 (DRY VALLEY ROAD)
0.360	0.360	CULVERT	N/A	
0.361	0.361	INTERSECTION	LEFT	UNPAVED ROUTE
0.368	0.368	CULVERT	N/A	
0.390	0.390	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.442	0.442	CULVERT	N/A	
0.463	0.463	INTERSECTION	LEFT	UNPAVED ROUTE
0.532	0.532	CULVERT	N/A	
0.702	0.702	INTERSECTION	RIGHT	UNPAVED ROUTE (GATED)
0.796	0.796	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.861	0.861	INTERSECTION	RIGHT	UNPAVED PARKING
0.868	0.868	INTERSECTION	LEFT	ROUTE 0101 (DYER ROAD)
0.924	0.924	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.940	0.940	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.946	0.946	INTERSECTION	RIGHT	ROUTE 0601 (LYTLE STATION ROAD)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0105: CHICK-VITTETOE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.954	0.954	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
0.990	0.990	CULVERT	N/A	
1.212	1.212	CULVERT	N/A	
1.285	1.285	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
1.298	1.298	CULVERT	N/A	
1.384	1.384	DROP INLET	LEFT	
1.385	1.385	INTERSECTION	LEFT	ROUTE 0500 (GLENN KELLEY ROAD)
1.399	1.399	SIGN	RIGHT	REGULATORY, YIELD
1.402	1.402	INTERSECTION	LEFT	ROUTE 0500 (GLENN KELLEY ROAD) SPUR
1.412	1.412	SIGN	RIGHT	REGULATORY, NO PARKING ANY TIME
1.422	1.422	CULVERT	N/A	
1.445	1.445	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
1.449	1.449	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
1.669	1.669	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.682	1.682	SIGN	RIGHT	REGULATORY, TOUR
1.702	1.702	INTERSECTION	LEFT	ROUTE 0925 (WILDER BRIGADE MONUMENT PARKING)
1.702	1.702	INTERSECTION	RIGHT	ROUTE 0602 (TOWER ROAD)
1.729	1.729	DROP INLET	LEFT	
1.740	1.740	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
1.743	1.743	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
1.844	1.844	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
1.853	1.853	SIGN	RIGHT	GUIDE, WILDER MONUMENT CAR PARKING
1.888	1.888	INTERSECTION	LEFT	ROUTE 0503 (GLEN VINIARD ROAD)
1.888	1.888	SIGN	N/A	GUIDE, WILDER MONUMENT RV/BUS PARKING CAR PARKING
1.888	1.888	SIGN	N/A	REGULATORY, STOP
1.891	1.891	SIGN	RIGHT	REGULATORY, STOP
1.919	1.919	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
2.030	2.030	CULVERT	N/A	
2.089	2.112	PULLOUT	RIGHT	
2.146	2.146	CULVERT	N/A	
2.264	2.264	CULVERT	N/A	
2.423	2.423	GATE	N/A	
2.423	2.423	SIGN	N/A	REGULATORY, ROAD CLOSED
2.429	2.429	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0105: CHICK-VITTETOE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.429	2.429	SIGN	RIGHT	REGULATORY, NO NIGHT PARKING
2.440	2.440	CULVERT	N/A	
2.525	2.525	SIGN	RIGHT	GUIDE, METAL DETECTORS AND WEAPONS PROHIBITED
2.525	2.525	SIGN	RIGHT	REGULATORY, COMMERCIAL VEHICLES EXCLUDED
2.530	2.530	INTERSECTION	N/A	PAVED ROUTE (WILDER ROAD / NON NPS)
2.530	2.530	PARK BOUNDARY	N/A	
2.530	2.530	ROUTE END	N/A	TO SOUTH PARK BOUNDARY

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0106: SANDERS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM TENNESSEE STATE ROUTE 58
0.000	0.000	INTERSECTION	LEFT	PAVED ROUTE (TENNESSEE STATE ROUTE 58 / OCHS HWY / NON NPS)
0.000	0.000	INTERSECTION	RIGHT	PAVED ROUTE (TENNESSEE STATE ROUTE 58 / OCHS HWY / NON NPS)
0.003	0.003	SIGN	RIGHT	REGULATORY, STOP
0.003	0.003	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.006	0.006	SIGN	RIGHT	REGULATORY, WEIGHT LIMIT 5 TONS
0.008	0.008	CULVERT	N/A	
0.020	0.020	GATE	N/A	
0.020	0.020	SIGN	N/A	REGULATORY, ROAD CLOSED
0.052	0.052	SIGN	RIGHT	REGULATORY, SPEED LIMIT 20
0.058	0.058	CULVERT	N/A	
0.058	0.058	SIGN	RIGHT	WARNING, STOP AHEAD
0.138	0.138	CULVERT	N/A	
0.218	0.256	GUARD/GUIDE RAIL	RIGHT	
0.237	0.237	SIGN	LEFT	WARNING, NO PASSING ZONE
0.237	0.237	SIGN	RIGHT	REGULATORY, SPEED LIMIT 20
0.248	0.248	CULVERT	N/A	
0.248	0.248	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.253	0.253	SIGN	LEFT	WARNING, NO PASSING ZONE
0.253	0.253	SIGN	RIGHT	REGULATORY, SPEED LIMIT 20
0.255	0.255	INTERSECTION	LEFT	ROUTE 0201 (SANDERS ROAD PICNIC AREA ACCESS ROAD)
0.258	0.258	SIGN	LEFT	GUIDE, PICNIC AREA
0.272	0.272	CULVERT	N/A	
0.363	0.363	CULVERT	N/A	
0.441	0.441	CULVERT	N/A	
0.537	0.537	SIGN	RIGHT	GUIDE, WHITESIDE TRAIL GUILD TRAIL 0.5 MI
0.540	0.540	CULVERT	N/A	
0.540	0.540	SIGN	RIGHT	GUIDE, GRAPHIC SIGN, NO TEXT
0.543	0.543	SIGN	RIGHT	REGULATORY, SPEED LIMIT 20
0.544	0.544	SIGN	LEFT	GUIDE, PICNIC AREA
0.544	0.544	SIGN	RIGHT	GUIDE, PICNIC AREA
0.550	0.550	INTERSECTION	LEFT	ROUTE 0201 (SANDERS ROAD PICNIC AREA ACCESS ROAD)
0.561	0.561	SIGN	RIGHT	REGULATORY, SPEED LIMIT 20

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0106: SANDERS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.613	0.613	CULVERT	N/A	
0.673	0.673	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.673	0.673	SIGN	RIGHT	WARNING, 20 M.P.H.
0.676	0.676	SIGN	RIGHT	GUIDE, CRAVENS HOUSE UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICES
0.712	0.712	CULVERT	N/A	
0.712	0.712	SIGN	RIGHT	REGULATORY, SPEED LIMIT 20
0.716	0.727	PAVED DITCH	LEFT	
0.734	0.737	RETAINING WALL	LEFT	
0.749	0.749	GATE	N/A	
0.749	0.749	SIGN	N/A	REGULATORY, ROAD CLOSED
0.759	0.759	SIGN	RIGHT	REGULATORY, WEIGHT LIMIT 5 TONS
0.759	0.759	SIGN	LEFT	GUIDE, CRAVENS HOUSE RUBY FALLS POINT PARK INCLINE ROCK CITY
0.759	0.759	SIGN	LEFT	GUIDE, S SCENIC HWY 700
0.759	0.759	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.759	0.759	SIGN	RIGHT	GUIDE, SANDERS RD 800
0.762	0.762	SIGN	RIGHT	REGULATORY, STOP
0.770	0.770	INTERSECTION	RIGHT	PAVED ROUTE (TENNESSEE STATE ROUTE 148 / S SCENIC HWY / NON NPS)
0.770	0.770	INTERSECTION	LEFT	PAVED ROUTE (TENNESSEE STATE ROUTE 148 / S SCENIC HWY / NON NPS)
0.770	0.770	ROUTE END	N/A	TO TENNESSEE STATE ROUTE 148

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0112: SNODGRASS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0500 (GLENN KELLEY ROAD) AT MP 1.29
0.000	0.000	INTERSECTION	LEFT	ROUTE 0500 (GLENN KELLEY ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0500 (GLENN KELLEY ROAD)
0.000	0.000	SIGN	N/A	REGULATORY, ONE WAY
0.010	0.010	SIGN	RIGHT	REGULATORY, TOUR
0.021	0.021	SIGN	RIGHT	REGULATORY, YIELD
0.031	0.031	SIGN	RIGHT	REGULATORY, TOUR
0.032	0.032	SIGN	RIGHT	REGULATORY, YIELD
0.036	0.036	CULVERT	N/A	
0.037	0.037	INTERSECTION	RIGHT	ROUTE 0112 (SNODGRASS ROAD) SPUR
0.048	0.048	CULVERT	N/A	
0.051	0.051	GATE	N/A	
0.051	0.051	SIGN	N/A	REGULATORY, ROAD CLOSED
0.071	0.071	INTERSECTION	LEFT	UNPAVED ROUTE
0.071	0.071	INTERSECTION	RIGHT	UNPAVED ROUTE
0.074	0.074	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.078	0.078	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.166	0.166	INTERSECTION	LEFT	ROUTE 0104 (VITTETOE ROAD)
0.171	0.171	SIGN	LEFT	REGULATORY, TOUR
0.194	0.194	INTERSECTION	LEFT	ROUTE 0104 (VITTETOE ROAD)
0.196	0.196	CULVERT	N/A	
0.201	0.201	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.294	0.294	CULVERT	N/A	
0.334	0.334	INTERSECTION	RIGHT	ROUTE 0928 (SNODGRASS CABIN PARKING)
0.336	0.336	DROP INLET	RIGHT	
0.349	0.395	PAVED DITCH	LEFT	
0.414	0.414	INTERSECTION	LEFT	ROUTE 0112 (SNODGRASS ROAD)
0.414	0.450	ONE-WAY	N/A	
0.419	0.419	SIGN	LEFT	GUIDE, CHICKAMAUGA BATTLEFIELD CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK DIAL AND DISCOVER CELL PH
0.419	0.419	SIGN	LEFT	REGULATORY, 8 TOUR
0.435	0.435	INTERSECTION	RIGHT	ROUTE 0929 (SNODGRASS HILL PARKING)
0.450	0.450	INTERSECTION	LEFT	ROUTE 0112 (SNODGRASS ROAD)
0.450	0.450	INTERSECTION	N/A	ROUTE 0112 (SNODGRASS ROAD)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0112: SNODGRASS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.450	0.450	ROUTE END	N/A	TO END OF LOOP

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0201: SANDERS ROAD PICNIC AREA ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0106 (SANDERS ROAD) AT MP 0.55
0.000	0.000	INTERSECTION	LEFT	ROUTE 0106 (SANDERS ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0106 (SANDERS ROAD)
0.000	0.380	ONE-WAY	N/A	
0.008	0.008	CULVERT	N/A	
0.017	0.017	GATE	N/A	
0.019	0.019	SIGN	RIGHT	GUIDE, AREA CLOSED AT DUSK
0.022	0.022	SIGN	RIGHT	REGULATORY, ONE WAY
0.061	0.061	SIGN	RIGHT	REGULATORY, SPEED LIMIT 15
0.076	0.076	SIGN	RIGHT	GUIDE, FIRES OR COOKING PROHIBITED
0.111	0.111	INTERSECTION	RIGHT	ROUTE 0955AZ (SANDERS PICNIC PARKING A)
0.141	0.141	INTERSECTION	LEFT	ROUTE 0955BZ (SANDERS PICNIC PARKING B)
0.205	0.205	SIGN	RIGHT	GUIDE, NO PICNICKING BEYOND THIS POINT
0.214	0.214	SIGN	RIGHT	GUIDE, FIRES OR COOKING PROHIBITED
0.288	0.288	CULVERT	N/A	
0.364	0.364	CULVERT	N/A	
0.365	0.365	GATE	N/A	
0.380	0.380	INTERSECTION	RIGHT	ROUTE 0106 (SANDERS ROAD)
0.380	0.380	SIGN	RIGHT	REGULATORY, STOP
0.380	0.380	SIGN	N/A	GUIDE, CRAVENS HOUSE POINT PARK INCLINE RUBY FALLS ROCK CITY
0.380	0.380	INTERSECTION	LEFT	ROUTE 0106 (SANDERS ROAD)
0.380	0.380	ROUTE END	N/A	TO ROUTE 0106 (SANDERS ROAD) AT MP 0.26

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0407: MAINTENANCE COMPOUND ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0937 (MAINTENANCE YARD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0937 (MAINTENANCE YARD)
0.000	0.000	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.000	0.000	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.007	0.011	CURB	RIGHT	
0.013	0.013	INTERSECTION	LEFT	UNPAVED PARKING
0.014	0.014	INTERSECTION	RIGHT	UNPAVED PARKING
0.024	0.024	FIRE HYDRANT	LEFT	
0.042	0.042	INTERSECTION	LEFT	ROUTE 0405 (SAVANNNAH ROAD)
0.106	0.106	FIRE HYDRANT	LEFT	
0.113	0.113	SIGN	RIGHT	GUIDE, PRIVATE RANGER RESIDENCE
0.128	0.128	CULVERT	N/A	
0.146	0.146	CULVERT	N/A	
0.147	0.147	SIGN	RIGHT	GUIDE, SERVICE ROAD DO NOT ENTER
0.154	0.154	SIGN	RIGHT	GUIDE, FACILITY MANAGEMENT
0.156	0.156	SIGN	RIGHT	REGULATORY, STOP
0.160	0.160	INTERSECTION	LEFT	ROUTE 0101 (DYER ROAD)
0.160	0.160	INTERSECTION	RIGHT	ROUTE 0101 (DYER ROAD)
0.160	0.160	ROUTE END	N/A	TO ROUTE 0101 (DYER ROAD)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0500: GLENN KELLEY ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0105 (CHICK-VITTETOE ROAD) AT MP 1.39
0.000	0.000	INTERSECTION	LEFT	ROUTE 0105 (CHICK-VITTETOE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0105 (CHICK-VITTETOE ROAD)
0.000	2.010	ONE-WAY	N/A	
0.022	0.022	INTERSECTION	RIGHT	ROUTE 0943 (RECREATION FIELD PARKING AREA)
0.022	0.022	INTERSECTION	LEFT	ROUTE 0105 (CHICK-VITTETOE ROAD) SPUR
0.023	0.023	SIGN	RIGHT	GUIDE, RECREATION FIELD
0.025	0.025	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.031	0.031	SIGN	RIGHT	REGULATORY, AREA CLOSED AT DUSK
0.048	0.048	INTERSECTION	RIGHT	ROUTE 0943 (RECREATION FIELD PARKING AREA)
0.069	0.069	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.090	0.090	SIGN	RIGHT	REGULATORY, LYTLE MONUMENT 600 FEET
0.238	0.238	SIGN	RIGHT	WARNING, 15 M.P.H.
0.238	0.238	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.261	0.261	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.266	0.290	PULLOUT	RIGHT	
0.287	0.287	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.302	0.302	CULVERT	N/A	
0.372	0.393	PULLOUT	RIGHT	
0.486	0.486	INTERSECTION	RIGHT	ROUTE 0930 (PARKING TOUR STOP 7 (GLENN KELLY ROAD))
0.496	0.496	SIGN	RIGHT	REGULATORY, 7 TOUR
0.588	0.588	INTERSECTION	RIGHT	ROUTE 0931 (PARKING ON RIGHT GLENN KELLY & DYER ROAD)
0.615	0.615	INTERSECTION	LEFT	ROUTE 0101 (DYER ROAD)
0.620	0.620	INTERSECTION	RIGHT	ROUTE 0101 (DYER ROAD)
0.630	0.630	SIGN	RIGHT	REGULATORY, TOUR
0.631	0.631	SIGN	LEFT	GUIDE, UNABLE TO READ FROM VIDEO
0.777	0.777	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.794	0.823	PULLOUT	RIGHT	
0.822	0.822	CULVERT	N/A	
1.012	1.036	PULLOUT	LEFT	
1.166	1.166	INTERSECTION	LEFT	ROUTE 0932 (SOUTH CAROLINA MONUMENT PARKING)
1.175	1.175	CULVERT	N/A	
1.288	1.288	INTERSECTION	LEFT	ROUTE 0112 (SNODGRASS ROAD)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0500: GLENN KELLEY ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.331	1.331	INTERSECTION	LEFT	ROUTE 0112 (SNODGRASS ROAD) SPUR
1.402	1.402	INTERSECTION	LEFT	ROUTE 0405 (SAVANNNAH ROAD)
1.417	1.417	CULVERT	N/A	
1.611	1.611	CULVERT	N/A	
1.720	1.720	CULVERT	N/A	
1.804	1.804	CULVERT	N/A	
1.927	1.927	CULVERT	N/A	
1.967	1.990	PULLOUT	RIGHT	
1.994	1.994	SIGN	LEFT	GUIDE, GRAPHIC SIGN, NO TEXT
1.998	1.998	CULVERT	N/A	
1.998	1.998	SIGN	RIGHT	REGULATORY, STOP
2.010	2.010	INTERSECTION	LEFT	ROUTE 0011 (LAFAYETTE ROAD)
2.010	2.010	INTERSECTION	N/A	ROUTE 0013A (ALEXANDER BRIDGE ROAD SPUR)
2.010	2.010	INTERSECTION	RIGHT	ROUTE 0011 (LAFAYETTE ROAD)
2.010	2.010	ROUTE END	N/A	TO ROUTE 0011 (LAFAYETTE ROAD)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0501: BATTLELINE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0013 (ALEXANDER BRIDGE ROAD) AT MP 0.36
0.000	0.000	INTERSECTION	LEFT	ROUTE 0013 (ALEXANDER BRIDGE ROAD)
0.000	0.820	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0013 (ALEXANDER BRIDGE ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0912 (HELM/COLQUITT MONUMENTS PARKING)
0.009	0.009	SIGN	LEFT	REGULATORY, ONE WAY
0.020	0.020	INTERSECTION	RIGHT	ROUTE 0934 (PARKING TOUR STOP 2 (BATTLELINE ROAD))
0.028	0.028	SIGN	RIGHT	GUIDE, CHICKAMAUGA BATTLEFIELD CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK DIAL AND DISCOVER CELL PH
0.028	0.028	SIGN	RIGHT	REGULATORY, 2 TOUR
0.058	0.090	PULLOUT	RIGHT	
0.093	0.093	SIGN	RIGHT	REGULATORY, SPEED LIMIT 20
0.166	0.184	PULLOUT	RIGHT	
0.192	0.192	CULVERT	N/A	
0.204	0.224	PULLOUT	RIGHT	
0.314	0.334	PULLOUT	RIGHT	
0.417	0.436	PULLOUT	RIGHT	
0.494	0.523	PULLOUT	RIGHT	
0.497	0.497	SIGN	RIGHT	REGULATORY, KING MONUMENT 320 FEET
0.497	0.497	SIGN	RIGHT	REGULATORY, DESHLER MONUMENT 555 FEET
0.503	0.503	SIGN	RIGHT	REGULATORY, TEXAS MONUMENT
0.573	0.594	PULLOUT	RIGHT	
0.629	0.646	PULLOUT	LEFT	
0.640	0.640	SIGN	LEFT	REGULATORY, UNABLE TO READ FROM VIDEO
0.812	0.812	SIGN	RIGHT	REGULATORY, STOP
0.820	0.820	INTERSECTION	LEFT	ROUTE 0011 (LAFAYETTE ROAD)
0.820	0.820	INTERSECTION	N/A	ROUTE 0502 (POE ROAD)
0.820	0.820	INTERSECTION	RIGHT	ROUTE 0011 (LAFAYETTE ROAD)
0.820	0.820	ROUTE END	N/A	TO INTERSECTION OF ROUTES 0011 (LAFAYETTE ROAD) AND 0502 (POE ROAD)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0502: POE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 (LAFAYETTE ROAD) AT MP 1.36
0.000	0.340	ONE-WAY	N/A	
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (LAFAYETTE ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0501 (BATTLELINE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (LAFAYETTE ROAD)
0.006	0.006	CULVERT	N/A	
0.010	0.010	SIGN	LEFT	GUIDE, POE ROAD
0.015	0.015	SIGN	RIGHT	REGULATORY, TOUR
0.020	0.020	SIGN	RIGHT	REGULATORY, ONE WAY
0.025	0.044	PULLOUT	LEFT	
0.090	0.114	PULLOUT	LEFT	
0.178	0.178	INTERSECTION	LEFT	ROUTE 0935 (PARKING TOUR STOP 3 (POE ROAD))
0.185	0.185	SIGN	LEFT	GUIDE, CHICKAMAUGA BATTLEFIELD CHICKAMAUGA AND CHATTANOOGA NATIONAL MILITARY PARK DIAL AND DISCOVER CELL PH
0.185	0.185	SIGN	LEFT	REGULATORY, 3 TOUR
0.222	0.222	CULVERT	N/A	
0.238	0.261	PULLOUT	RIGHT	
0.267	0.289	PULLOUT	LEFT	
0.291	0.310	PULLOUT	RIGHT	
0.332	0.332	DROP INLET	LEFT	
0.332	0.332	SIGN	RIGHT	REGULATORY, STOP
0.337	0.337	SIGN	N/A	REGULATORY, TOUR
0.340	0.340	INTERSECTION	LEFT	ROUTE 0011 (LAFAYETTE ROAD)
0.340	0.340	INTERSECTION	RIGHT	ROUTE 0011 (LAFAYETTE ROAD)
0.340	0.340	ROUTE END	N/A	TO ROUTE 0011 (LAFAYETTE ROAD) MP 1.63

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0503: GLEN VINIARD ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0011 (LAFAYETTE ROAD) AT MP 2.97
0.000	0.000	INTERSECTION	LEFT	ROUTE 0011 (LAFAYETTE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0011 (LAFAYETTE ROAD)
0.000	0.744	ONE-WAY	N/A	
0.010	0.010	SIGN	LEFT	REGULATORY, ONE WAY
0.013	0.024	GUARD/GUIDE WALL	LEFT	
0.014	0.023	GUARD/GUIDE WALL	RIGHT	
0.017	0.017	CULVERT	N/A	
0.026	0.026	GATE	N/A	
0.026	0.026	SIGN	N/A	REGULATORY, ROAD CLOSED
0.048	0.068	PULLOUT	RIGHT	
0.079	0.079	SIGN	RIGHT	REGULATORY, SPEED LIMIT 25
0.092	0.092	CULVERT	N/A	
0.384	0.384	CULVERT	N/A	
0.547	0.547	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.596	0.596	CULVERT	N/A	
0.702	0.702	CULVERT	N/A	
0.732	0.732	SIGN	LEFT	REGULATORY, DO NOT ENTER
0.732	0.732	SIGN	RIGHT	GUIDE, WILDER MONUMENT RV/BUS PARKING CAR PARKING
0.742	0.742	SIGN	RIGHT	REGULATORY, DO NOT ENTER
0.744	0.744	INTERSECTION	RIGHT	ROUTE 0936 (PARKING TOUR STOP 6 (WILDER TOWER))
0.753	0.753	SIGN	RIGHT	REGULATORY, ALL TRAFFIC MUST TURN LEFT
0.755	0.755	CULVERT	N/A	
0.761	0.761	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.780	0.780	INTERSECTION	LEFT	ROUTE 0105 (CHICK-VITTETOE ROAD)
0.780	0.780	INTERSECTION	N/A	ROUTE 0105 (CHICK-VITTETOE ROAD)
0.780	0.780	SIGN	LEFT	REGULATORY, TOUR
0.780	0.780	ROUTE END	N/A	TO ROUTE 0105 (CHICK-VITTETOE ROAD)

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0600: DRY VALLEY ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0105 (CHICK-VITTETOE ROAD) AT MP 0.35
0.000	0.000	INTERSECTION	LEFT	ROUTE 0105 (CHICK-VITTETOE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0105 (CHICK-VITTETOE ROAD)
0.003	0.003	SIGN	RIGHT	REGULATORY, STOP
0.014	0.014	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.022	0.022	CULVERT	N/A	
0.032	0.032	SIGN	RIGHT	GUIDE, ENTERING CHICKAMAUGA BATTLEFIELD
0.032	0.032	SIGN	RIGHT	REGULATORY, NO NIGHT PARKING
0.032	0.032	SIGN	RIGHT	REGULATORY, COMMERCIAL VEHICLES EXCLUDED
0.032	0.032	SIGN	RIGHT	GUIDE, METAL DETECTORS AND WEAPONS PROHIBITED
0.033	0.033	SIGN	LEFT	REGULATORY, RAILROAD CROSSING
0.033	0.033	SIGN	RIGHT	REGULATORY, RAILROAD CROSSING
0.033	0.033	SIGN	RIGHT	REGULATORY, STOP
0.035	0.035	RAILROAD CROSSING	N/A	
0.040	0.040	INTERSECTION	N/A	PAVED ROUTE (LYTLE ROAD / NON NPS)
0.040	0.040	ROUTE END	N/A	TO PARK BOUNDARY AT RAILROAD

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0601: LYTLE STATION ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0105 (CHICK-VITTETOE ROAD) AT MP 0.95
0.000	0.000	INTERSECTION	LEFT	ROUTE 0105 (CHICK-VITTETOE ROAD)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0105 (CHICK-VITTETOE ROAD)
0.008	0.008	SIGN	RIGHT	REGULATORY, STOP
0.008	0.008	INTERSECTION	RIGHT	UNPAVED PARKING
0.024	0.024	SIGN	RIGHT	REGULATORY, NO NIGHT PARKING
0.027	0.027	SIGN	RIGHT	WARNING, GRAPHIC SIGN, NO TEXT
0.030	0.030	CULVERT	N/A	
0.046	0.046	GATE	N/A	
0.046	0.046	SIGN	N/A	REGULATORY, ROAD CLOSED
0.047	0.047	SIGN	RIGHT	GUIDE, ENTERING CHICKAMAUGA BATTLEFIELD
0.047	0.047	SIGN	RIGHT	GUIDE, METAL DETECTORS AND WEAPONS PROHIBITED
0.047	0.047	SIGN	RIGHT	REGULATORY, COMMERCIAL VEHICLES EXCLUDED
0.053	0.053	SIGN	RIGHT	GUIDE, UNABLE TO READ FROM VIDEO
0.056	0.056	INTERSECTION	LEFT	PAVED ROUTE (LYTLE ROAD / NON NPS) SPUR
0.060	0.060	SIGN	LEFT	REGULATORY, RAILROAD CROSSING
0.060	0.060	SIGN	RIGHT	REGULATORY, STOP
0.060	0.060	SIGN	RIGHT	REGULATORY, STOP
0.060	0.060	SIGN	RIGHT	REGULATORY, RAILROAD CROSSING
0.060	0.060	INTERSECTION	RIGHT	PAVED ROUTE (LYTLE ROAD / NON NPS)
0.060	0.060	INTERSECTION	N/A	PAVED ROUTE (ADAMS LANE / NON NPS)
0.060	0.060	INTERSECTION	LEFT	PAVED ROUTE (LYTLE ROAD / NON NPS)
0.060	0.060	RAILROAD CROSSING	N/A	
0.060	0.060	ROUTE END	N/A	TO PARK BOUNDARY AT RAILROAD

CHCH: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0602: TOWER ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000	ROUTE BEGIN	N/A	FROM ROUTE 0105 (CHICK-VITTETOE ROAD) AT MP 1.70
0.000	0.000	INTERSECTION	LEFT	ROUTE 0105 (CHICK-VITTETOE ROAD)
0.000	0.000	INTERSECTION	N/A	ROUTE 0925 (WILDER BRIGADE MONUMENT PARKING)
0.000	0.000	INTERSECTION	RIGHT	ROUTE 0105 (CHICK-VITTETOE ROAD)
0.007	0.007	SIGN	RIGHT	REGULATORY, STOP
0.016	0.016	CULVERT	N/A	
0.021	0.021	SIGN	RIGHT	REGULATORY, NO NIGHT PARKING
0.022	0.022	SIGN	LEFT	REGULATORY, RAILROAD CROSSING
0.023	0.023	SIGN	RIGHT	REGULATORY, RAILROAD CROSSING
0.023	0.023	SIGN	RIGHT	REGULATORY, STOP
0.025	0.025	RAILROAD CROSSING	N/A	
0.028	0.028	SIGN	LEFT	REGULATORY, RAILROAD CROSSING
0.028	0.028	SIGN	RIGHT	REGULATORY, RAILROAD CROSSING
0.028	0.028	SIGN	RIGHT	REGULATORY, STOP
0.032	0.032	GATE	N/A	
0.032	0.032	SIGN	N/A	REGULATORY, ROAD CLOSED
0.033	0.033	SIGN	RIGHT	GUIDE, ENTERING CHICKAMAUGA BATTLEFIELD
0.033	0.033	SIGN	RIGHT	GUIDE, METAL DETECTORS AND WEAPONS PROHIBITED
0.033	0.033	SIGN	RIGHT	REGULATORY, COMMERCIAL VEHICLES EXCLUDED
0.036	0.036	SIGN	RIGHT	REGULATORY, STOP
0.040	0.040	INTERSECTION	LEFT	PAVED ROUTE (LYTLE ROAD / NON NPS)
0.040	0.040	INTERSECTION	N/A	PAVED ROUTE (NORTH LONG HOLLOW ROAD)
0.040	0.040	INTERSECTION	RIGHT	PAVED ROUTE (LYTLE ROAD / NON NPS)
0.040	0.040	ROUTE END	N/A	TO PARK BOUNDARY AT RAILROAD

Chickamauga & Chattanooga National Military Park

Section 10
Appendix

APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
AADT	(Annual Average Daily Traffic) The estimate of typical daily traffic on a road segment for all days of the week over the period of one year.
CRS	Condition Rating Sheets. (Section 5)
Excellent	Excellent rating with an index value of 95 or greater
Fair	Fair rating with an index value from 61 to 84
Func. Class	Funtional Classification (see Route ID, Section 4)
Good	Good rating with an index value from 85 to 94
IRI	International Roughness Index
Lane Width	Width from road centerline to fogline, or from centerline to edge-of-pavement when no fogline exists
MRR	Manually Rated Route
N/A	Not Applicable
NC	Not Collected
Paved Width	Width from edge-of-pavement to edge-of-pavement
PCR	Pavement Condition Rating (Appendix B, Section 10)
Poor	Poor Rating with an index value of 60 or less
RCI	Roughness Condition Index
SADT	(Seasonal Annual Daily Traffic) The AADT adjusted to represent just the period of the year containing 80 percent of the total annual traffic.
SCR	Surface Condition Rating (Appendix B, 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 0 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.

Calculation of Index Values

Note: Index values < 0 default to 0. Index values > 100 default to 100.
For all indices, a higher value indicates a better road condition, and a lower value indicates a poorer road condition.
All severity protocols are taken from the SHRP Distress Identification Manual.

Condition Ranges for all Indices

Excellent	>=95
Good	>=85 and <95
Fair	>60 and <85
Poor	<=60

Alligator Crack Index

AC_INDEX = 100 – 40 * [(%LOW / 70) + (%MED / 30) + (%HI / 10)]

Where :

The values %LOW, %MED and %HI describe the percent of the total WX measured area that is affected by alligator cracking of each severity level. These values range from ≥ 0 to ≤ 100.

%LOW = (Total square area WX measured low severity alligator cracking) / (Section length * WX measured lane width)

%MED = (Total square area WX measured medium severity alligator cracking) / (Section length * WX measured lane width)
%HI = (Total square area WX measured high severity alligator cracking) / (Section length * WX measured lane width)

The denominators 70, 30, and 10 are the maximum allowable extents for the numerator value in the same units. For example, low severity alligator cracking totaling 70% of the measured section area would alone fail that section of road for this index.

The threshold for failure for this index is AC_INDEX = 60.

Severity Levels:

Low severity alligator cracking describes an area of cracks with no or only a few connecting cracks; cracks are not spalled (cracked, broken, chipped, frayed along the cracks); pumping (water seepage from beneath the pavement through the cracks) is not evident. Any sealed alligator cracks are low severity alligator cracks, as long as the sealant is still in good condition. If the sealant has reopened, and the crack is visible and can be measured, the crack severity is assigned according to that measurement.

Medium severity alligator cracking describes an area of interconnected cracks forming a complete pattern; cracks may be slightly spalled; pumping is not evident.

High severity alligator cracking describes an area of moderately or severely spalled interconnected cracks forming a complete pattern; pieces may move when subjected to traffic; pumping may be evident.

Longitudinal Crack Index

LC_INDEX = 100 – 40 * [(%LOW / 350) + (%MED / 200) + (%HI / 75)]

Where:

The values %LOW, %MED and %HI describe the length of longitudinal cracking of each severity as a percent of the section length. These values are ≥ 0 and can exceed 100.

%LOW = (Total linear feet WX measured low severity longitudinal cracking) / (Section length in linear feet)
%MED = (Total linear feet WX measured medium severity longitudinal cracking) / (Section length in linear feet)
%HI = (Total linear feet WX measured high severity longitudinal cracking) / (Section length in linear feet)

The denominators 350, 200, and 75 are the maximum allowable extents for the numerator value in the same units. For example, medium severity longitudinal cracking with a total length that is 200% of the length of the section would alone fail that section of road for this index.

The threshold for failure for this index is LC_INDEX = 60.

Severity Levels:

Low severity longitudinal cracks have a mean width ≤ ¼”, or are sealed cracks of indeterminate width whose sealant material is in good condition.

Medium severity longitudinal cracks have a mean width > ¼” and ≤ ¾”.

High severity longitudinal cracks have a mean width > ¾”.

Transverse Crack Index

TC_INDEX = 100 – {[20 * ((LOW / 15.1) + (MED / 7.5))] + [40 * (HI / 1.9)]}

Where:

The values LOW, MED and HI describe a count of the total number of transverse cracks of each severity level, where one transverse crack unit is equal to the WX measured lane width. These values are ≥ 0.

LOW = (Total linear feet WX measured low severity transverse cracking) / (WX measured lane width)
MED = (Total linear feet WX measured medium severity transverse cracking) / (WX measured lane width)
HI = (Total linear feet WX measured high severity transverse cracking) / (WX measured lane width)

The denominators 15.1, 7.5, and 1.9 are the maximum allowable extents for the numerator value in the same units. For example, high severity transverse cracking with a total length that amounts to 1.9 times the WX measured lane width would alone fail that section of road for this index.

The threshold for failure for this index is TC_INDEX = 60.

Severity Levels:

Low severity transverse cracks have a mean width ≤ ¼", or are sealed cracks of indeterminate width whose sealant material is in good condition.

Medium severity transverse cracks have a mean width > ¼" and ≤ ¾".

High severity transverse cracks have a mean width > ¾".

Patching Index

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

Where:

The value %PATCHING describes the percent of the total WX measured area that is affected by patching. This value ranges from ≥ 0 to ≤ 100.

%PATCHING = (Total area WX measured patching) / (Section length * WX measured lane width)

The denominator 80 is the maximum allowable extent for the numerator value in the same units. Patching totaling 80% or more of the measured section area fails a section of road for this index.

The threshold for failure for this index is PATCH_INDEX = 60.

There are no severity levels for patching.

Rutting Index

RUT_INDEX = 100 – 40 * [(%LOW / 160) + (%MED / 80) + (%HI / 40)]

Where:

10 ARAN rut depth measurements are taken per full .02 section for each of 2 wheel paths (left and right), resulting in a total of 20 measurements taken for both wheel paths. The values %LOW, %MED and %HI describe the number of ARAN rut depth measurements of both wheel paths in the section whose values are of each severity level, calculated as a percentage of the total number of ARAN rut depth measurements taken for a single wheel path in the section. These values range from ≥ 0 to ≤ 200.

%LOW = (Total number of ARAN measured low severity ruts in section for both wheel paths) / (Total number of ARAN rut measurements in section for a single wheel path)
%MED = (Total number of ARAN measured medium severity ruts in section for both wheel paths) / (Total number of ARAN rut measurements in section for a single wheel path)
%HI = (Total number of ARAN measured high severity ruts in section for both wheel paths) / (Total number of ARAN rut measurements in section for a single wheel path)

The denominators 160, 80, and 40 are the maximum allowable extents for the numerator value in the same units. For example, low severity ruts recorded in 16 of the 20 total readings (or 160% of a full wheel path's worth of readings) for a full .02 section would fail that section for this index.

The threshold for failure for this index is RUT_INDEX = 60.

Severity Levels:

Ruts with an ARAN measured depth < 0.20" are not included in the distress calculations.

Low severity ruts have an ARAN measured depth ≥ 0.20" and ≤ 0.49".

Medium severity ruts have an ARAN measured depth ≥ 0.50" and ≤ 0.99".

High severity ruts have an ARAN measured depth ≥ 1.00".

Roughness Condition Index

RCI **= 32 * [5 * (2.718282 ^ (-0.0041 * AVG IRI))]**

Where:

The value AVG IRI describes the average value of the Left IRI and Right IRI measurements for the section. This value can range from approximately 40 to over 1000.

AVG IRI = (ARAN measured Left IRI + ARAN measured Right IRI) / 2

There is no applicable threshold for failure for this index.

NOTE: Collection of roughness data is dependent 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.

Surface Condition Rating Index

SCR = 100 - [(100 - AC_INDEX) + (100 - LC_INDEX) + (100 - TC_INDEX) + (100 - PATCH_INDEX) + (100 - RUT_INDEX)]

Where:

See above for determinations of AC_INDEX, LC_INDEX, TC_INDEX, PATCH_INDEX and RUT_INDEX.

The threshold for failure for this index is SCR = 60.

Pavement Condition Rating Index Asphaltic Concrete Pavement (AS)

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

Where:

See above for determinations of SCR and RCI.

The values 0.60 and 0.40 function as weights within the formula.

If SCR equals zero (which means that the road surface condition is very poor), then the formula simply reduces to: PCR = 0.40 * RCI.

If RCI equals zero (which means that this value was not available for some reason), then the formula becomes: PCR = SCR.

The threshold for failure for this index is PCR = 60.

Pavement Condition Rating Index Portland Cement Concrete Pavement (CO)

Concrete PCR = -0.0012(IRI^2)+0.0499(IRI)+99.542

Where:

The threshold for failure for this index is PCR = 60.

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

Under Construction 100

Excellent 97

Good 90

Fair 73

Poor 45

APPENDIX C: GENERAL INFORMATION ON RIP SYSTEMS

DMI (Distance Measuring Instrument)

The DMI (Distance Measuring Instrument) obtains road length measurements that are highly accurate (to 0.001 miles). The DMI is connected to the outside of the rear wheel on the driver's side, and is wired into the antilock braking system (ABS). The number of pulses recorded for each wheel rotation by the ABS is registered by the DMI, which transmits a measurement of distance traveled to the processing computers in the ARAN. The DMI distance measurements are the foundation to which all the other subsystems are tied.

Digital Image Information

All images collected in Cycle 4 are digital images in .jpg format. These images provide adequate resolution for identifying sign and feature inventories and pavement evaluations. The images can be viewed with an interactive software program called VisiData. Each park will receive a copy of the VisiData program. Cycle 4 data, as well as Cycle 3 data, can be viewed using the Visi-Data software program. This program is a 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 looking for. Associated digital right-of-way images from either the LAN, USB port, individual DVD can be presented along with GPS locations.

Right-of-way (ROW) Video

Three digital cameras are mounted above the vehicle's windshield that point directly forward and slightly to the left and right. These cameras each collect one image every 0.002 miles (10.56 feet) in the primary-direction lane, to give a panoramic field-of-view of about 160 degrees. (Forward-facing video from the center camera only is collected in the opposite-direction lane of travel.)

If data collection speed exceeds 35-40 mph, the network and storage computers may become overwhelmed and may begin to drop individual video frames. Occasional common video quality issues include sun glare and rapid changes between sunlight and shadow. The camera system is equipped with auto risers that sometimes cannot adjust quickly enough to collect optimal video images.

FHWA ARAN CAMERA SPECIFICATIONS **Forward-Facing Cameras (ROW)**	
Focal length	10 mm
Chip size	8.71mm X 6.90mm
Naming convention of each image	chainage.jpg
Image resolution	1300 X 1030
Image pixel size	depends on distance
Relative position of the GPS unit to each camera	2.104 meters from front-center rutbar to camera
The ARAN has a lever arm setting which tells the POS system where the center of the rutbar is with respect to the GPS antennas.	

Pavement Video

Pavement video images are collected by the data collection vehicle to use in later analysis to determine extents and severities of different types of pavement distress. The pavement in the primary-direction road lane is filmed continuously by two analog cameras attached to booms extended from the rear of the ARAN on the left and right sides. Strobe lights fire synchronously with the opening of the camera shutters to eliminate shadows and motion blur. The images from the two cameras overlap, and are stitched together in real time to create a continuous strip image of the pavement in the primary direction lane. This strip has a maximum width of 3.0 meters (actual width depends on pavement camera calibration) and is sectioned for ease of file management every 0.010 miles (52.8 feet).

The cameras both have a resolution of 640 x 480, making the threshold of visible pavement cracks about 3 mm. Because the cameras are triggered by time and not distance traveled, this subsystem requires a minimum operating speed of 6 mph, otherwise images are taken on top of one another and result in checkered or black pavement video.

FHWA ARAN CAMERA SPECIFICATIONS **Pavement Cameras**	
Image Pixel size	3.135 mm /side
Image Resolution	640 X 480
Area that images cover	1.5 m X 1.2 m
Full color or grayscale	grayscale
Vehicle speed limitations	80km/h
Aperture setting	Auto-iris
Exposure setting	1/50000

FHWA ARAN GPS & Inertial System

GPS is collected by a NovAtel MiLLenium, 12 channel, dual frequency L1/L2, DGPS ready receiver with a MiLLennium 502 GPS antenna. An OmniStar 3000 LR provides real-time differential correction. An Applanix POS/LV is the inertial system that fills in when GPS is unavailable. The antenna is mounted in the center of the roof, slightly toward the rear of the vehicle, but a lever arm is applied to place the operational location of GPS recording at the center of the rutbar on the front bumper of the vehicle. Expected accuracy under ideal conditions is sub meter.

GPS Collected on Manually Rated Routes

Parking areas and roads that are not fully drivable with the ARAN data collection vehicle are collected manually by field technicians. GPS is collected for these routes using GPS field data collection utilizes Trimble ProXRS or ProXH Receivers matched with Trimble TSC1 or Ranger handheld Data Loggers, connected to Trimble Hurricane Antennas giving sub meter accuracy in ideal conditions. This collection equipment has varied as technology has improved over the years of RIP data collection. Some GPS files collected as early as 1998 have been verified for accuracy and perpetuated through the current cycle of data collection.

GPS SHAPEFILES

Type of Route and Collection Shape Filename		
Roads driven by ARAN	Line	park_road_04.dbf/.shp/.shx
Parking Areas	Polygon	park_pkg_04.dbf/.shp/.shx
Roads Manually Rated as Lines (not in every park)	Line	park_mrl_04.dbf/.shp/.shx
Roads Manually Rated as Polygons (not in every park)	Polygon	park_mrp_04.dbf/.shp/.shx

• Datum for all GPS shapefiles is LL_WGS84_DD (Latitude Longitude _World Geodetic Survey 1984_Decimal Degrees)
• In filename, “park” is NPS four-letter alphabetic code.
• The source for route data required for data processing and report production is the PARK_RouteInfo.mdb.

Condition Photos Taken of Manually Rated Roads

One or more digital photos are taken by Canon Power Shot G2 4.0 Mega Pixel digital camera for each manually rated route in a National Park. They are stored in .jpg format named with the four-letter NPS park alphabetic code, route number, and the photo number assigned by the camera. For example, YOSE_0900_4434.jpg is the filename of the photo named 4434 by the camera that was taken of Yosemite National Park route 0900.

Scenic Photos

Scenic photos are taken by Canon Power Shot G2 4.0 Mega Pixel digital camera throughout each park and are named with the four-letter NPS park alphabetic code and the count of the photo taken in that park. For example, GRCA003.jpg is the filename of the third scenic photo taken in Grand Canyon National Park. The number of scenic photos provided will vary between parks.

APPENDIX D: METADATA

FHWA – NPS Road Inventory Program Cycle 4 Metadata

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

- MUTCD based on contents & colors of sign, not on size
- Database records that show a Portland Cement Concrete (CO) surface type sometimes include distress index values that seem to show a perfect roadway. Condition assessments on concrete pavements are not conducted for Alligator Cracking, Transverse or Longitudinal Cracking, Patching, or Rutting. Perfect values for concrete road sections for these indexes are default values and do not represent a condition assessment of the concrete surfaces.
- 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_Tenth 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.

- Roadway Data is collected in intervals of 0.010 miles (52.8feet) constituting a "station".
- Most roadway features are collected relative to the primary direction lane of a roadway, using the primary-direction video and mileage. Signs and Mile Markers are the only features collected using the opposite-direction video with mileage location referenced to the primary direction lane of the roadway.
- Route_GPS table contains GPS positional information collected by the ARAN and post processed with Applanix POSPac Land 5.0 post-processing software. No manual adjustments have occurred on this table.
- Modifications to the Park_ROAD_04.dbf/.shp/.shx files may have been necessary for report esthetics.
- Modifications to the Park_PKG_04. dbf/.shp/.shx files may have been necessary for report esthetics.
- Cycle 4 utilizes the Microsoft Office 2003 suite of products and Crystal Reports XI for document and data file generation and reporting.
- All PDF files are in Adobe Acrobat 7.0 Professional format.
- All ArcGIS files are created using ESRI Version 9.x software.
- Thumbnail images are created at 1/10 original image size for Right-of-Way and Pavement Images.
- FHWA is investigating the rutting methodology and calculated values it currently reports. Equipment limitations and analysis methods may be over reporting, low severity rutting.

Key to Notes in Tables

(1): Note that only one value fits in field, so even if this value varies throughout the route, only predominant value is recorded here.
(2): Shoulder width is measured at route start and every half-mile along the route in the primary direction. Width is the entire width of the drivable shoulder, regardless of the presence or absence of pavement, from the fog line to the shoulder hinge point, or if no fog line exists, from the edge of pavement to the hinge point. Identification of shoulder hinge point can be problematic using video analysis. Some paved ditches may be mistakenly recorded as shoulders where the shoulder hinge point and change in slope are not easily distinguished from the video.
(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.
(5): Condition assessments on concrete (PCC) pavements are not conducted for Alligator Cracking, Transverse or Longitudinal Cracking, Patching, or Rutting. Perfect values for concrete road sections for these indexes are default values and do not represent a condition assessment of the concrete surfaces.
(6): 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 resolutions. 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
1	RIP_CYCLE	XX	4, for data collection cycle 4	Route ID Meeting	FHWA Determination	100% Referenced to other tables
2	STATE	XX	State where route is located	Route ID Meeting	Park Input / FHWA Determination	100%, Referenced to other tables (1)
3	PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	100%, Referenced to other tables
4	PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	100%, Referenced to other tables
5	RTE_NO	9999XXX	Route number	Route ID Meeting	Park Input / FHWA Classification	100%, Referenced to other tables
6	RTE_NAME	(Text)	Route name	Route ID Meeting	Park Input	100%, Referenced to other tables. 100 characters fit in field
7	FUNCT_CLASS	X	Route functional classification	Route ID Meeting	Park Input / FHWA Classification	100%, Referenced to other tables
8	DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input / FHWA Determination	100%,
9	BEG_MP_EST	999.999 (miles)	Estimated starting MP	Route ID Meeting	Park Input / FHWA Determination	Estimated before data collected
10	END_MP_EST	999.999 (miles)	Estimated ending MP	Route ID Meeting	Park Input / FHWA Determination	Estimated before data collected
11	RTE_LENGTH	999.999 (miles)	Collected route length	ARAN Data Collection	Automatic Output	100%
12	FROM_DESC	(Text)	Beginning terminus of route	Route ID Meeting	Park Input / FHWA Determination	100% Referenced to other tables
13	TO_DESC	(Text)	Ending terminus of route	Route ID Meeting	Park Input / FHWA Determination	100% Referenced to other tables
14	NO_LANES	X	Number of lanes in route	ARAN Data Collection	Survey Crew Input	Untested. (1)
15	SURF_TYPE	XX	Surface type of route	ARAN Data Collection	Survey Crew Input	100%, Referenced to other tables (1)
16	COMP_DIR	XX	Compass direction of route's primary lane (nearest cardinal direction)	Route ID Meeting	Park Input / FHWA Determination	Untested
17	COMMENTS	(Text)	Special information, if any	Contractor Post-processing	Contractor Input	Untested
18	FILENAME	(Text)	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
19	SECTION	(Text)	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%

20	FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	100%
21	DATE	MM/DD/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
22	BEG_MP	999.999 (miles)	Beginning MP collected	ARAN Data Collection	Automatic Output	100% (3)
23	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
1	RIP_CYCLE	XX	4, for data collection cycle 4	Route ID Meeting	FHWA Determination	100% Referenced to other tables
2	STATE	XX	State where route is located	Route ID Meeting	Park Input / FHWA Determination	Untested (1)
3	PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	100% Referenced to other tables
4	PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	100% Referenced to other tables
5	RTE_NO	9999XXX	Route number	Route ID Meeting	Park Input / FHWA Classification	100% Referenced to other tables
6	FMSS_EQUIP	XXXXXXX	Facility Management Software System Equipment number	NPS FMSS application	NPS References	Untested
7	FUNCT_CLASS	X	Route functional class	Route ID Meeting	Park Input / FHWA Classification	100% Referenced to other tables
8	DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input / FHWA Determination	100%
9	MP	999.999 (miles)	Feature location along route	ARAN Data Collection/Contractor Post-processing	Video Analysis	<=0.001 mile
10	BEG_MP	999.999 (miles)	Feature Beginning location along route	Contractor Post-processing	Video Analysis	<=0.001 mile
11	END_MP	999.999 (miles)	Feature Ending location along route	Contractor Post-processing	Video Analysis	<=0.001 mile
12	FEATURE_LENGTH	999.99 (Feet)	Linear Feature Length	Contractor Post-processing	Database Processing	100%
13	EVENT	XXXX	Event category of feature	Contractor Post-processing	Video Analysis	Untested
14	EVENT_CODE	XXXX	Event sub-category of feature	Contractor Post-processing	Video Analysis	Untested
15	FEATURE_TYPE	(Text)	Feature designation: LINEAR or POINT	Contractor Post-processing	Video Analysis	Untested
16	EVENT_DESC	(Text)	Description of feature/contents of sign	Contractor Post-processing	Video Analysis	Untested
17	MUTCD	(Text)	MUTCD Code of Sign	Contractor Post-processing	Database Processing	95%
18	CONDITION	“N/A”	Sign condition. N/A. Not to be populated	Contractor Post-processing	Video Analysis	Values inaccurate, defaulted to “N/A”
19	COMMENT	(Text)	Sign label, intersecting route, etc.	Contractor Post-processing	Database Processing	Untested
20	OFFSET	“N/A”	Offset from Road Edge. N/A. Not to be populated	Contractor Post-processing	Database Processing	Values inaccurate, defaulted to “N/A”

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
21	SIDE	(Text)	Side of route relative to lane driven	Contractor Post-processing	Video Analysis	95%
22	STR_NUMBER	(Text)	FHWA bridge structure number	FHWA Post-processing	Database Processing	Untested
23	BARR_MAT	(Text)	Barrier Material Type	Contractor Post-processing	Video Analysis	Untested
24	BARR_TYPE	(Text)	Barrier Type	Contractor Post-processing	Video Analysis	Untested
25	BARR_POST_MAT	(Text)	Barrier Post Materials	Contractor Post-processing	Video Analysis	Untested
26	BARR_BEG_TERM	(Text)	Barrier Approach Treatment	Contractor Post-processing	Video Analysis	Untested
27	BARR_END_TERM	(Text)	Barrier End Treatment	Contractor Post-processing	Video Analysis	Untested
28	CURB_MAT	(Text)	Curb Material Type	Contractor Post-processing	Video Analysis	Untested
29	PAVED_DITCH_MAT	(Text)	Paved Ditch Material Type	Contractor Post-processing	Video Analysis	Untested (2)
30	GATE_MAT	(Text)	Gate Material Type	Contractor Post-processing	Video Analysis	Untested
31	GATE_STYLE	(Text)	Gate Style	Contractor Post-processing	Video Analysis	Untested
32	BEG_GPS_LAT	999.999999	GPS Latitude Co-ordinate (decimal degrees)	Contractor Post-processing	Video Analysis	<= 3.00 feet
33	BEG_GPS_LON	-999.999999	GPS Longitude Co-ordinate (-decimal degrees)	Contractor Post-processing	Video Analysis	<= 3.00 feet
34	BEG_GPS_ELEV	99999.9	GPS Elevation Feet	Contractor Post-processing	Video Analysis	Untested
35	BEG_GPS_MODE	(Text)	GPS Satellite Mode	Contractor Post-processing	Video Analysis	Untested
36	END_GPS_LAT	999.999999	GPS Latitude Co-ordinate (decimal degrees)	Contractor Post-processing	Video Analysis	<= 3.00 feet
37	END_GPS_LON	-999.999999	GPS Longitude Co-ordinate (-decimal degrees)	Contractor Post-processing	Video Analysis	<= 3.00 feet
38	END_GPS_ELEV	99999.9	GPS Elevation Feet	Contractor Post-processing	Video Analysis	Untested
39	END_GPS_MODE	(Text)	GPS Satellite Mode	Contractor Post-processing	Video Analysis	Untested
40	DATUM	(Text)	LL_WGS84_DD	Contractor Post-processing	Database Processing	100%
41	VIDEO	<*Park*>C04VID<#>	Removable USB video hard drive number	Contractor Post-processing	Database Processing	Untested
42	IMAGE	(Text)	Filename of .jpg image showing feature	Contractor Post-processing	Automatic Output	Untested
43	DATE	MM/DD/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
44	FILENAME	(Text)	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
45	SECTION	(Text)	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%
46	FKEY	(Numeric)	Unique record ID	Contractor Post-processing	Database Processing	100%
47	VISI_FROM	999999 (millimiles)	Raw MP of first video frame showing feature	Contractor Post-processing	Database Processing	Untested
48	VISI_TO	999999 (millimiles)	Raw MP of last video frame showing feature	Contractor Post-processing	Database Processing	Untested

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

List of Roadway Features

#	EVENT	EVENT_CODE	FEATURE_TYPE	EVENT_DESC	STRUCTURE #	COLLECTED BY
1	BRIDGE	BRDG	LINEAR	BRIDGE	ALWAYS	ARAN
2	CATTLE GUARD	CGD	POINT	CATTLE GUARD	-	VIDEO RATING
3	CONSTRUCTION	CNST	LINEAR	CONSTRUCTION WORK ZONE	-	ARAN
4	CULVERT	CUL	POINT	CULVERT	SOMETIMES	ARAN
5	CURB	CRBL	LINEAR	CURB ON LEFT	-	VIDEO RATING
	""	CRBR	LINEAR	CURB ON RIGHT	-	VIDEO RATING
6	CURB-AND-GUTTER	CAGL	LINEAR	CURB-AND-GUTTER ON LEFT	-	VIDEO RATING
	""	CAGR	LINEAR	CURB-AND-GUTTER ON RIGHT	-	VIDEO RATING
7	DROP INLET	DINL	POINT	DROP INLET ON LEFT	-	ARAN
	""	DINR	POINT	DROP INLET ON RIGHT	-	ARAN
8	GATE	GATE	POINT	GATE	-	VIDEO RATING
9	FIRE HYDRANT	FHDL	POINT	FIRE HYDRANT ON LEFT	-	VIDEO RATING
	""	FHDR	POINT	FIRE HYDRANT ON RIGHT	-	VIDEO RATING
10	GUARD/GUIDE WALL	GGWL	LINEAR	GUARD/GUIDE WALL ON LEFT	-	VIDEO RATING
	""	GGWR	LINEAR	GUARD/GUIDE WALL ON RIGHT	-	VIDEO RATING
11	GUARD/GUIDE RAIL	GGRL	LINEAR	GUARD/GUIDE RAIL ON LEFT	-	VIDEO RATING
	""	GGRR	LINEAR	GUARD/GUIDE RAIL ON RIGHT	-	VIDEO RATING
12	INTERSECTION	INTL	POINT	INTERSECTION ON LEFT	-	ARAN
	""	INTR	POINT	INTERSECTION ON RIGHT	-	ARAN
	""	INTN	POINT	INTERSECTION SIDE N/A	-	ARAN

13	LANE DEVIATION	LADV	LINEAR	LANE DEVIATION	-	ARAN
14	LOW WATER CROSSING	LWCR	LINEAR	LOW WATER CROSSING	SOMETIMES	VIDEO RATING
15	MILE MARKER	MML	POINT	MILE MARKER ON LEFT	-	VIDEO RATING
	""	MMR	POINT	MILE MARKER ON RIGHT	-	VIDEO RATING
16	OVERPASS	OPV	POINT	OVERPASS VEHICULAR	SOMETIMES	ARAN
	""	OPP	POINT	OVERPASS PEDESTRIAN	SOMETIMES	ARAN
	""	OPRX	POINT	OVERPASS RAILROAD CROSSING	SOMETIMES	ARAN
17	PARK BOUNDARY	PRK	POINT	PARK BOUNDARY	-	ARAN
18	PAVED DITCH	PVDL	LINEAR	PAVED DITCH ON LEFT	-	VIDEO RATING
	""	PVDR	LINEAR	PAVED DITCH ON RIGHT	-	VIDEO RATING
19	PULLOUT	PLOL	LINEAR	PULLOUT ON LEFT	-	VIDEO RATING
	""	PLOR	LINEAR	PULLOUT ON RIGHT	-	VIDEO RATING
20	RAILROAD CROSSING	RRX	POINT	RAILROAD CROSSING	-	VIDEO RATING
21	RETAINING WALL	RTWL	LINEAR	RETAINING WALL ON LEFT	-	VIDEO RATING
	""	RTWR	LINEAR	RETAINING WALL ON RIGHT	-	VIDEO RATING
22	ROUTE BEGIN	RBEG	POINT	ROUTE BEGIN	-	ARAN
23	ROUTE END	REND	POINT	ROUTE END	-	ARAN
24	SIGN	REGU, WARN, GUID, UNKN	POINT	DOCUMENT CONTENTS OF SIGN. (WHAT THE SIGN SAYS) FOR GRAPHICS ONLY SIGNS POPULATED WITH ("GRAPHIC SIGN, NO TEXT") FOR UNREADABLE TEXT POPULATED WITH ("UNABLE TO READ FROM VIDEO")	-	VIDEO RATING
25	STATE BOUNDARY	STB	POINT	STATE BOUNDARY	-	ARAN
26	TRAFFIC LIGHT	TRF	POINT	TRAFFIC LIGHT	-	VIDEO RATING
27	TUNNEL	TUN	LINEAR	TUNNEL	ALWAYS	ARAN

PMS_20, PMS_MILE, & PMS_TENTH Tables Metadata:

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
1	RIP_CYCLE	XX	4, for RIP data collection Cycle 4	Route ID Meeting	FHWA Determination	100% Referenced to other tables
2	STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested. (1)
3	PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	100% Referenced to other tables
4	PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	100% Referenced to other tables
5	RTE_NO	9999XXX	Route number	Route ID Meeting	Park Input/FHWA Classification	100% Referenced to other tables
6	FUNCT_CLASS	X	Route functional class	Route ID Meeting	Park Input/FHWA Classification	100% Referenced to other tables
7	DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input/FHWA Determination	100%
8	BEG_MP	999.999 (miles)	MP at start of road interval described by database record	Contractor Post-processing	Database Processing	100% (3)
9	END_MP	999.999 (miles)	MP at end of road interval described by database record	Contractor Post-processing	Database Processing	100% (3)
10	INT_LENGTH	999.9 (ft)	Length of road interval as aggregated for data table	Contractor Post-processing	Database Processing	100%
11	RTE_LENGTH	999.999 (miles)	Collected route length	ARAN Data Collection	Automatic Output	100% (3)
12	NO_LANES	99	Number of lanes in route	ARAN Data Collection	Survey Crew Input	Untested. (1)
13	LANE_NO	99	Data collection lane	Contractor Post-processing	Database Processing	Untested
14	D_LANE_WIDTH	99.999 (ft)	WiseCrax (crack detection software) analysis width	Contractor Post-processing	Automatic Output	Untested
15	LANE_WIDTH	99.9 (ft)	Width of lane	Contractor Post-processing	Video Analysis	95%, <=1.0 foot
16	PAVE_WIDTH	99.9 (ft)	Full pavement width	Contractor Post-processing	Video Analysis	95%, <=1.0 foot
17	SHLD_WIDTH_L	99.9 (ft)	Left shoulder width	Contractor Post-processing	Video Analysis	95%, <=1.0 foot (2)
18	SHLD_WIDTH_R	99.9 (ft)	Right shoulder width	Contractor Post-processing	Video Analysis	95%, <=1.0 foot (2)
19	SHLD_COND_L	N/A	N/A. Intended to be Left shoulder condition	ARAN Data Collection	Survey Crew Input	Values inaccurate, defaulted to “N/A”
20	SHLD_COND_R	N/A	N/A. Intended to be Right shoulder condition	ARAN Data Collection	Survey Crew Input	Values inaccurate, defaulted to “N/A”
21	DRAIN_COND_L	N/A	N/A. Intended to be Left drainage condition	ARAN Data Collection	Survey Crew Input	Values inaccurate, defaulted to “N/A”
22	DRAIN_COND_R	N/A	N/A. Intended to be Right drainage condition	ARAN Data Collection	Survey Crew Input	Values inaccurate, defaulted to “N/A”

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
23	SURF_TYPE	XX	Surface type of route	ARAN Data Collection	Survey Crew Input	Untested. (1)
24	PCR	999	Pavement Condition Rating	Contractor Post-processing	Database Processing	100% for calculation (6)
25	RCI	999	Roughness Condition Index; -1 if invalid IRI	Contractor Post-processing	Database Processing	100% for calculation
26	SCR	999	Surface Condition Rating	Contractor Post-processing	Database Processing	100% for calculation (5) (6)
27	IRI_AVG	999.9 (inches/mile)	Average IRI	Contractor Post-processing	Database Processing	Untested
28	IRI_SD	999.9 (inches/mile)	IRI standard deviation	Contractor Post-processing	Database Processing	Untested
29	IRI_L	999.9 (inches/mile)	Left wheel path IRI	ARAN Data Collection	Automatic Output	Untested
30	IRI_R	999.9 (inches/mile)	Right wheel path IRI	ARAN Data Collection	Automatic Output	Untested
31	IRI_FLAG	0 or -1	-1 if invalid IRI data	Contractor Post-processing	Database Processing	Untested
32	RUT_INDEX	999	Rut index	Contractor Post-processing	Database Processing	100% for calculation (5)
33	RUT_AVG	99.99 (inches)	Average rut depth of both wheelpaths	Contractor Post-processing	Database Processing	Untested (5)
34	RUT_MAX	99.99 (inches)	Maximum rut depth of both wheelpaths	Contractor Post-processing	Database Processing	Untested (5)
35	RUT_SD	9.9	Rut depth standard deviation	Contractor Post-processing	Database Processing	Untested (5)
36	RUT_LOW	999 (%)	Percent of low severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (5)
37	RUT_MED	999 (%)	Percent of medium severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (5)
38	RUT_HI	999 (%)	Percent of high severity ruts (on a 0-200% scale) in both wheelpaths	Contractor Post-processing	Database Processing	Untested (5)
39	XFALL	999.9 (% slope)	Cross fall at start of road interval	ARAN Data Collection	Automatic Output	Untested
40	GRADE	999.9 (% slope)	Grade at start of road interval	ARAN Data Collection	Automatic Output	Untested
41	AC_INDEX	999	Alligator cracking index	Contractor Post-processing	Database Processing	100% for calculation (5) (6)
42	AC_LOW	999.9999 (%)	Percent of WiseCrax measured lane area with low-severity alligator cracking	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
43	AC_MED	999.9999 (%)	Percent of WiseCrax measured lane area with medium-severity alligator cracking	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
44	AC_HI	999.9999 (%)	Percent of WiseCrax measured lane area with high-severity alligator	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
			cracking			
45	LC_INDEX	999	Longitudinal cracking index	Contractor Post-processing	Database Processing	100% for calculation (5) (6)
46	LC_LOW	999.99 (%)	Low-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
47	LC_MED	999.99 (%)	Medium-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
48	LC_HI	999.99 (%)	High-severity longitudinal cracking in lane as a percentage of road interval length	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
49	TC_INDEX	999	Transverse cracking index	Contractor Post-processing	Database Processing	100% for calculation (5) (6)
50	TC_LOW	999.99 (cracks)	Count of low-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
51	TC_MED	999.99 (cracks)	Count of medium-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
52	TC_HI	999.99 (cracks)	Count of high-severity transverse cracks, where one crack unit equals the WiseCrax measured lane width	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
53	PATCH_INDEX	999	Patching index	Contractor Post-processing	Database Processing	100% for calculation (5) (6)
54	PATCHING	999.9999 (%)	Percent of WiseCrax measured lane area affected by patching	Contractor Post-processing	Pavement Video Analysis	As a Computed 95% Confidence Level (5) (6)
55	GPS_LAT	999.999999	Latitude coordinate	ARAN Data Collection	Automatic Output	<= 3.00 feet
56	GPS_LON	-999.999999	Longitude coordinate	ARAN Data Collection	Automatic Output	<= 3.00 feet
57	GPS_ELEV	99999.9	Elevation	ARAN Data Collection	Automatic Output	Untested
58	GPS_MODE	XXX	GPS Satellite Mode during collection	ARAN Data Collection	Automatic Output	Untested
59	DATUM	(Text)	LL_WGS84_DD	ARAN Data Collection	Database Processing	100%
60	VIDEO	<*Park*>C04VID<#>	Removable USB video hard	Contractor Post-processing	Database Processing	Untested

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
			drive number			
61	IMAGE	(Text)	Filename of .jpg image showing road interval	Contractor Post-processing	Automatic Output	Untested
62	SPEED	999 (miles/hour)	Average ARAN speed during data collection	ARAN Data Collection	Automatic Output	Untested
63	BRIDGE_FLAG	0 or 1	Flag indicating presence of bridge in interval	ARAN Data Collection	Survey Crew Input	Untested
64	CONSTR_FLAG	0 or 1	Flag indicating construction in interval	ARAN Data Collection	Survey Crew Input	Untested
65	LANEDEV_FLAG	0 or 1	Flag indicating lane deviation in interval	ARAN Data Collection	Survey Crew Input	Untested
66	DATE	MM/DD/YY	Data collection date	ARAN Data Collection	Automatic Output	100%
67	NODISTRESS	0 OR 1	Flag indicating absence of pavement distress	Contractor Post-processing	Database Processing	100%
68	FILENAME	(Text)	Filename of raw data files	ARAN Data Collection	Automatic Output	100%
69	SECTION	(Text)	Route section ID	Route ID Meeting/ARAN Data Collection	Survey Crew Input/Automatic Output	100%
70	FKEY	(Numeric)	Unique record ID	Contractor Post-processing	Database Processing	100%
71	CONTRACTOR1	(Numeric)	Raw MP of first video frame in section	Contractor Post-processing	Database Processing	Untested
72	CONTRACTOR2	(Numeric)	Raw MP of last video frame in section	Contractor Post-processing	Database Processing	Untested
73	CONTRACTOR3	(Text)	Unique record ID used by VisiData	Contractor Post-processing	Database Processing	Untested
74	CONTRACTOR4	(Text)	Range of mileage to play in VisiData	Contractor Post-processing	Database Processing	Untested

ROUTE_GPS table metadata:

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
1	RIP_CYCLE	XX	4, for RIP data collection Cycle 4	Route ID Meeting	FHWA Determination	100% referenced to other tables
2	STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested
3	PARK_ALPHA	XXXX	Park alpha code	Route ID Meeting	NPS References	100% Referenced to other tables
4	PARK_NO	XXXX	Park numeric code	Route ID Meeting	NPS References	100% Referenced to other tables
5	RTE_NO	9999XXX	Route number	Route ID Meeting	Park Input/FHWA Classification	100% Referenced to other tables
6	FUNCT_CLASS	X	Route functional classification	Route ID Meeting	Park Input/FHWA Classification	100% Referenced to other tables
7	RTE_NAME	(Text)	Route name	Route ID Meeting	Park Input	100% Referenced to other tables . 100 characters fit in field
8	LANE_NUMBER	99	Data collection lane	Contractor Post-processing	Database Processing	Untested
9	DIRECTION	XXX	Survey lane: PRI (primary) or OPP (opposite)	Route ID Meeting	Park Input/FHWA Determination	Untested
10	MP	999.999	Mile Post (at 0.01 record)	ARAN Data Collection, Contractor Post-processing	Survey Crew Input/GPS Processing	Untested (3)
11	GPS_LAT	999.999999	GPS Latitude Co-ordinate (decimal degrees)	ARAN Data Collection, Contractor Post-processing	Automatic Output	<= 3.00 feet
12	GPS_LON	-999.999999	GPS Longitude Co-ordinate (-decimal degrees)	ARAN Data Collection, Contractor Post-processing	Automatic Output	<= 3.00 feet
13	GPS_ELEV	99999.9	Elevation	ARAN Data Collection, Contractor Post-processing	Automatic Output	Untested
14	GPS_MODE	XXX	GPS Satellite Mode during collection	ARAN Data Collection, Contractor Post-processing	Automatic Output	Untested
15	XFALL	999.9	Cross Fall: % Slope at GPS Location (Caution, Data not Validated)	ARAN Data Collection, Contractor Post-processing	Automatic Output	Untested
16	GRADE	999.9	Grade: % Slope at GPS Location (Caution, Data not Validated)	ARAN Data Collection, Contractor Post-processing	Automatic Output	Untested
17	HEADING	999.9	Heading Relative to True North	ARAN Data Collection	Automatic Output	Untested
18	DATUM	(Text)	LL_WGS84_DD	ARAN Data Collection	Database Processing	Untested
19	FILENAME	(Text)	Filename of raw data files	ARAN Data Collection	Automatic Output	Untested
20	FKEY	9999999	Unique record ID	Contractor Post-processing	Database Processing	Untested

21	DATE	MM/DD/YY	ARAN Data Collection Date	ARAN Data Collection	Automatic Output	Untested
22	COMMENT	(Text)	Source of Any Digitized Data	ARAN Data Collection	Database Processing	Untested
23	CONTRACTOR1	(Numeric)	Visi_from	Contractor Post-processing	Database Processing	Untested
24	CONTRACTOR2	(Numeric)	Visi_to	Contractor Post-processing	Database Processing	Untested
25	CONTRACTOR3	(Text)	Visi_dir (ipdated to chapter 1)	Contractor Post-processing	Database Processing	Untested
26	CONTRACTOR4	(Text)	Comments/exceptions	Contractor Post-processing	Database Processing	Untested

FHWA "Route ID Program" Database
Database Name: ROUTEINFO.mdb
Table Name: ROUTE_ID

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
1	ROUTE_IDENT	XXXX-9999XXX	The Park's Alpha Code + "-" + RTE_NO (below).	Route ID Meeting	Automatic Output	100%, Reference source for all tables
2	RIP_CYCLE	99	4, for RIP data collection Cycle 4	Route ID Meeting	FHWA Determination	100%, Reference source for all tables
3	PARK_ALPHA	XXXX	Park Alpha Code	Route ID Meeting	NPS References	100%, Reference source for all tables
4	GROUP_ALPHA	XXXX	Group Alpha Code	Route ID Meeting	NPS References	100%, Reference source for all tables
5	PARK_NO	9999	Park Numeric Code	Route ID Meeting	NPS References	100%, Reference source for all tables
6	PARK_NAME	(text)	NPS Name of Park	Route ID Meeting	NPS References	100%, Reference source for all tables
7	RTE_NO	9999XXX	Route Number	Route ID Meeting	Park Input	100%, Reference source for all tables
8	RTE_NAME	(Text)	Route Name	Route ID Meeting	Park Input	100%, Reference source for all tables
9	FROM_DESC	(Text)	Beginning terminus of route	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
10	TO_DESC	(Text)	Ending terminus of route	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
11	INSP_DATE	MM/DD/YYYY	Collection Date	ARAN Data Collection	FHWA Determination	100%, Reference source for all tables
12	FUNCT_CLASS	XX	Functional Class	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
13	STATE	XX	State where route is located	Route ID Meeting	Park Input/FHWA Determination	Untested (1)
14	STATE2	XX	Additional State Park Route traverses	Route ID Meeting	Park Input/FHWA Determination	Untested (1)
15	FMSS_NO	(Text)	NPS's Facility Management Software System (FMSS) Asset number	Route ID Meeting	Park Input	100%, Reference source for all tables
16	FMSS_SUR_EQP	(Text)	FMSS Surface Equipment Number	Route ID Meeting	Park Input	Untested
17	M_DISTRICT	(Text)	Park Maintenance District Route resides in	Route ID Meeting	Park Input	100%, Reference source for all tables (1)
18	TOPOGRAPHY	(Text)	Predominate Terrain condition for	Route ID Meeting	FHWA Determination	100%, Reference source for all

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
			Route. (FLAT, ROLLING, MOUNTAINOUS, or URBAN)			tables (1)
19	POSTED_SPEED	99	Posted Speed Limit for Route (Value is Predominate Speed Limit along Route)	Route ID Meeting	Park Input/FHWA Determination	Untested (1)
20	ARAN_ROUTE	XXX	Yes/No	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
21	PARKING_AREA	XXX	Yes/No	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
22	CONCESSION	XXX	Yes/No	Route ID Meeting	Park Input	100%, Reference source for all tables
23	PAVED_MI	999.999	Paved mileage (to the nearest 0.001)	ARAN Data Collection	Automatic Output	100%, Reference source for all tables
24	UNPAVED_MI	999.999	Unpaved mileage (to the nearest 0.001)	Route ID Meeting	Automatic Output	100%, Reference source for all tables
25	RTE_LENGTH	999.999	Official Route Length	Contractor Post-processing	Automatic Output	100%, Reference source for all tables
26	SURF_TYPE	XX	Surface type (PAVED: AS (asphalt, includes composite), CO (concrete), BR (brick/pavers), CB (cobblestone), OT (other))	Route ID Meeting	Survey Crew Input	100%, Reference source for all tables (1)
27	UNPAVED	XXXX	Unpaved Route (Yes/No/Both)	Route ID Meeting	Automatic Output	100%, Reference source for all tables
28	UNPAVED_CAT	XXX	Unpaved Road Category	Route ID Meeting	Automatic Output	Untested
29	CURB	(Text)	Parking Area with Curb around perimeter.	Route ID Meeting	Park Input/FHWA Determination	Untested
30	CURB_GUTTER	(Text)	Parking Area with Curb and Gutter around perimeter.	Route ID Meeting	Park Input/FHWA Determination	Untested
31	ADJ_ROUTE	9999XXX	Route number	Route ID Meeting	Automatic Output	100%, Reference source for all tables
32	USER_ACCESS	(Text)	Access Designation for Parking	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
33	PHOTO_NO	(Text)	Photo or Image	Route ID Meeting	Survey Crew Input	100%, Reference source for all tables
34	PLOT_SIZE	(Text)	Unpaved Parking Area Size	Route ID Meeting	Automatic Output	100%, Reference source for all tables
35	SQ_FEET	999.999	Route Square Footage	Contractor Post-processing	Automatic Output	100%, Reference source for all tables
36	M_RATING	(Text)	Manual Rating	Route ID Meeting	Automatic Output	100%, Reference source for all tables

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
37	SQ_YARDS	999.999	Route Square Yardage	Contractor Post-processing	Automatic Output	100%, Reference source for all tables
38	LANES	XX	Route travel lanes	Route ID Meeting	Automatic Output	Untested (1)
39	PAVE_WIDTH	999.99	Pavement Width (Weighted average)	RIP Post-processing	Automatic Output	100% Referenced to other tables
40	LANE_MILES	999.999	Route Equivalent Lane Miles	RIP Post-processing	Automatic Output	100%, Reference source for all tables
41	AREA_MAP	(Text)	1 or 2-digit number	Contractor Post-processing	FHWA/Contractor Input	100%, Reference source for all tables
42	REMARKS	(Memo)	General remarks on Park route and data collection operations.	Contractor Post-processing	FHWA/Contractor Input	Untested
43	SUMMARY_REC	XXXX-9999XXX	ROUTE_IDENT of summary Park Asset	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
44	NPS_REGION	(Text)	Park Region	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
45	DIVISION	(Text)	FHWA Division	Route ID Meeting	Park Input/FHWA Determination	100%, Reference source for all tables
46	PCR	999.99	Route Weighted Average PCR value	RIP Post-processing	Automatic Output	100% Referenced to other tables
47	SCR	999.99	Route Weighted Average SCR value	RIP Post-processing	Automatic Output	100% Referenced to other tables
48	AADT	999	Average Adjusted Daily Traffic	RIP	Automatic Output	Untested
49	SADT	999	Seasonal Adjusted Daily Traffic	RIP	Automatic Output	Untested
50	ADT_DATE	MM/DD/YYYY	Traffic Date of Collection	RIP	Automatic Output	Untested
51	BEG_LAT	999.999999	Route Begin GPS Latitude Co-ordinate (decimal degrees)	ARAN Data Collection	Automatic Output	<= 3.00 feet, Referenced from other tables
52	BEG_LON	-999.999999	Route Begin GPS Longitude Co-ordinate (-decimal degrees)	ARAN Data Collection	Automatic Output	<= 3.00 feet, Referenced from other tables
53	BEG_ELEV	99999.9	Route Begin Elevation	ARAN Data Collection	Automatic Output	100% Referenced to other tables
54	BEG_MODE	XXX	Route Begin GPS Satellite Mode during collection	ARAN Data Collection	Automatic Output	100% Referenced to other tables
55	END_LAT	999.999999	Route End GPS Latitude Co-ordinate (decimal degrees)	ARAN Data Collection	Automatic Output	<= 3.00 feet, Referenced from other tables

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
56	END_LON	-999.999999	Route End GPS Longitude Co-ordinate (-decimal degrees)	ARAN Data Collection	Automatic Output	<= 3.00 feet, Referenced from other tables
57	END_ELEV	99999.9	Route End Elevation	ARAN Data Collection	Automatic Output	100% Referenced to other tables
58	END_MODE	XXX	Route End GPS Satellite Mode during collection	ARAN Data Collection	Automatic Output	100% Referenced to other tables
59	DATUM	(Text)	LL_WGS84_DD	ARAN Data Collection	Automatic Output	100% Referenced to other tables
60	CHILD_ROUTE	XXX	Yes/No	Route ID Meeting	Automatic Output	100% Reference source for all tables
61	CULVERT_CNT	999	Route Culvert Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
62	DROP_INLET_CNT	999	Route Drop Inlet Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
63	GATE_CNT	999	Route Gate Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
64	TRAFLIGHT_CNT	999	Route Traffic Light Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
65	SIGN_CNT	999	Route Sign Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
66	LWCROSS_CNT	999	Route Low Water Crossing Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
67	BRIDGE_CNT	999	Route Bridge Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
68	TUNNEL_CNT	999	Route Tunnel Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
69	PULLOUT_CNT	999	Route Pullout Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
70	INTERSEC_CNT	999	Route Intersection Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
71	ST_BNDRY_CNT	999	Route State Boundary Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
72	PRK_BNDRY_CNT	999	Route Park Boundary Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
73	RETWALL_CNT	999	Route Retaining Wall Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
74	RR_CROSS_CNT	999	Route RR Crossing Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
75	CATTLE_CNT	999	Route Cattle Guard Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
76	OVHDSIGN_CNT	999	Route Overhead Sign Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
77	MILEMARK_CNT	999	Route Mile Marker Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
78	FHYD_CNT	999	Route Fire Hydrant Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
79	OVERPASS_CNT	999	Route Overpass Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
80	CABLE_TLNG	9999.999 (ft)	Route Total Length Cable Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
81	GDRAIL_TLNG	9999.999 (ft)	Route Total Length Guard/Guide Rail Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
82	GDWALL_TLNG	9999.999 (ft)	Route Total Length Guard/Guide Wall Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
83	TEMP_BARR_TLNG	9999.999 (ft)	Route Total Length Temporary Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
84	BOLLARD_TLNG	9999.999 (ft)	Route Total Length Bollard Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
85	BARRIER_TLNG	9999.999 (ft)	Route Total Length All Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
86	CURB_TLNG	9999.999 (ft)	Route Total Length Curbing (excludes Parking Areas)	RIP Post-processing	Automatic Output	100% Referenced to other tables
87	LWCROSS_TLNG	9999.999 (ft)	Route Total Length Low Water Crossings	RIP Post-processing	Automatic Output	100% Referenced to other tables
88	PAVDITCH_TLNG	9999.999 (ft)	Route Total Length Paved Ditch	RIP Post-processing	Automatic Output	100% Referenced to other tables (2)
89	TURNOUT_TLNG	9999.999 (ft)	Route Total Length Turnouts	RIP Post-processing	Automatic Output	100% Referenced to other tables
90	LANE_NUMBER	99	Number of Lane Tested	RIP Post-processing	Automatic Output	100% Referenced to other tables
91	LOCAL_FACTOR	9.9999	Park Location Factor	NPS Partner	Automatic Output	100% Reference source for all tables
92	E_ZONE	XXX	Route Environmental Zone	FHWA HPMA	Automatic Output	100% Reference source for all tables
93	PAVEMENT_DM	$99,999,999.99	Pavement Deferred Maintenance	FHWA HPMA	Automatic Output	100% Reference source for all tables
94	CRV	$99,999,999.99	Current Replacement Value	RIP Post-processing	Automatic Output	100% Reference source for all tables

Database Name: ROUTEINFO.mdb
Table Name: PARK_TOTALS

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
1	RIP_CYCLE	99	4, for RIP data collection Cycle 4	Route ID Meeting	FHWA Determination	100% Referenced to other tables
2	PARK_ALPHA	XXXX	Park Alpha Code	Route ID Meeting	FHWA Determination	100% Referenced to other tables
3	GROUP_ALPHA	XXXX	Group Alpha Code	Route ID Meeting	NPS References	100% Referenced to other tables
4	PARK_NO	9999	Park Numeric Code	Route ID Meeting	NPS References	100% Referenced to other tables
5	PARK_NAME	XXXX	NPS Name of Park	Route ID Meeting	NPS References	100% Referenced to other tables
6	INSP_DATE	MM/DD/YYYY	Date that data was collected in the park (completion date).	Route ID Meeting and ARAN Data Collection	FHWA Determination	100% Referenced to other tables
7	NPS_REGION	XXXX	Park Region	Route ID Meeting	Park Input	100% Referenced to other tables
8	DIVISION	XXXX	FHWA Division	Route ID Meeting	FHWA Determination	100% Referenced to other tables
9	T_PAVED_MI	999.999	Total Park Paved Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
10	T_UNPAVED_MI	999.999	Total Park Unpaved Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
11	T_ROUTE_MILES	999.999	Total Park Route Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
12	T_ARAN_DRIVEN	999.999	Total Park ARAN Driven Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
13	T_ARAN_LMILES	999.999	Total Park ARAN Lane Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
14	T_CONCESS_PAVED	999.999	Total Park Concession Paved Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
15	T_CONCESS_UNPAVED	999.999	Total Park Concession Unpaved Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
16	T_PRK_PAVEDSQFT	999.999	Total Park Parking Paved Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
17	T_PRK_UNPAVEDSQFT	999.999	Total Park Parking Unpaved Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
18	T_CPRK_PAVEDSQFT	999.999	Total Park Concession Parking Paved Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
19	T_CPRK_UNPAVEDSQFT	999.999	Total Park Concession Parking Unpaved Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
20	T_PARKING_SQFT	999.999	Total Park Parking Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
21	T_PARKING_LMILES	999.999	Total Park Parking Equivalent Lane Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
22	T_MRR_SQFT	999.999	Total Park Manually Rated Road Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
23	T_CMRR_SQFT	999.999	Total Park Concession Manually Rated Road Square Feet	RIP Post-processing	Automatic Output	100% Referenced to other tables
24	T_MRR_LMILES	999.999	Total Park Manually Rated Road Equivalent Lane Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
25	T_LMILES	999.999	Total Park Lane Miles	RIP Post-processing	Automatic Output	100% Referenced to other tables
26	T_CULVERT_CNT	999	Total Park Culvert Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
27	T_DROP_INLET_CNT	999	Total Park Drop Inlet Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
28	T_GATE_CNT	999	Total Park Gate Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
29	T_TRAFLIGHT_CNT	999	Total Park Traffic light Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
30	T_SIGN_CNT	999	Total Park Sign Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
31	T_LWCROSS_CNT	999	Total Park Low Water Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
32	T_BRIDGE_CNT	999	Total Park Bridge Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
33	T_TUNNEL_CNT	999	Total Park Tunnel Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
34	T_PULLOUT_CNT	999	Total Park Pullout Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
35	T_INTERSEC_CNT	999	Total Park Intersections Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
36	T_ST_BNDRY_CNT	999	Total Park State Boundaries Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
37	T_PRK_BNDRY_CNT	999	Total Park Boundaries Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
38	T_RETWALL_CNT	999	Total Park Retaining Wall Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
39	T_RR_CROSS_CNT	999	Total Park RR Crossing Count	RIP Post-processing	Automatic Output	100% Referenced to other

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
						tables
40	T_CATTLE_CNT	999	Total Park Cattle Guard Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
41	T_OVHDSIGN_CNT	999	Total Park Overhead Sign Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
42	T_MILEMARK_CNT	999	Total Park Mile Marker Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
43	T_FHYD_CNT	999	Total Park Fire Hydrant Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
44	T_OVERPASS_CNT	999	Total Park Overpass Count	RIP Post-processing	Automatic Output	100% Referenced to other tables
45	T_CABLE_TLNG	9999.999 (ft)	Total Length Park Cable Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
46	T_GDRAIL_TLNG	9999.999 (ft)	Total Length Park Guard/Guide Rail Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
47	T_GDWALL_TLNG	9999.999 (ft)	Total Length Park Guard/Guide Wall Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
48	T_TEMP_BARR_TLNG	9999.999 (ft)	Total Length Park Temporary Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
49	T_BOLLARD_TLNG	9999.999 (ft)	Total Length Park Bollard Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
50	T_BARRIER_TLNG	9999.999 (ft)	Total Length All Park Barriers	RIP Post-processing	Automatic Output	100% Referenced to other tables
51	T_CURB_TLNG	9999.999 (ft)	Total Length Park Curbing	RIP Post-processing	Automatic Output	100% Referenced to other tables
52	T_LWCROSS_TLNG	9999.999 (ft)	Total Length Park Low Water Crossings	RIP Post-processing	Automatic Output	100% Referenced to other tables
53	T_PAVDITCH_TLNG	9999.999 (ft)	Total Length Park Paved Ditches	RIP Post-processing	Automatic Output	100% Referenced to other tables (2)
54	T_TURNOUT_TLNG	9999.999 (ft)	Total Length Park Turnouts	RIP Post-processing	Automatic Output	100% Referenced to other tables
55	PARK_PCR	99.99	Overall Park PCR Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
56	PARK_RCI	99.99	Overall Park RCI Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
57	PARK_SCR	99.99	Overall Park SCR Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
58	PARK_RUT_INDEX	99.99	Overall Park Rutting Index Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
59	PARK_AC_INDEX	99.99	Overall Park Alligator Cracking Index Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables

	FIELD	FORMAT	EXPECTED VALUE	SOURCE	VALIDATION	EXPECTED ACCURACY
60	PARK_LC_INDEX	99.99	Overall Park Longitudinal Cracking Index Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
61	PARK_TC_INDEX	99.99	Overall Park Transverse Cracking Index Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
62	PARK_PATCH_INDEX	99.99	Overall Park Patching Index Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables
63	PARK_CONC_PCR	99.99	Overall Park Concession PCR Rating	RIP Post-processing	Automatic Output	100% Referenced to other tables

Business Practices for Route Numbering and Roadway Asset Identification

Introduction and Background:
Beginning in November 2006, inventory and condition information gathered by the Federal Highway Administration (FHWA) has been stored in FMSS to enable NPS to report Deferred Maintenance (DM) and Current Replacement Value (CRV) for NPS paved roads, paved parking areas, bridges, and tunnels. The NPS Roads Working Group (RWG) has been tasked with developing and implementing the procedures necessary to transfer DM and CRV from FHWA's databases to NPS' Facility Management Software System (FMSS).

Current business practices for roadway definition in national parks involve face-to-face meetings between FHWA personnel and individual park staff known as "Route ID" meetings. These meetings have been ongoing for several years and have been performed within the context of the Road Inventory Program (RIP) executed mainly by FHWA. The primary focus of these meetings has been on defining roadway static information such as route names, numbers, functional class, etc. The FHWA personnel are the primary individuals responsible for implementing the RIP and the route ID meetings are an integral and fundamental part of that process. The RIP process provides route numbers for each individual road and parking area in each park. After the route ID meetings establish a given park's roadway asset base, various types of condition and inventory data are collected either manually or with a data collection van that drives each individual road with an individual route number.

The FMSS requires asset numbers as unique identifiers for all asset types including roadways. **The current practice is that all roadways that are assigned a route number at route ID, also are defined as assets and therefore also receive an FMSS asset number** (Route names and functional classes are also collaboratively assigned during the face-to-face route ID meetings). This practice began midway through the third RIP data collection cycle (ending in 2003) and was further reinforced during an asset alignment process conducted in the summer of 2006. The alignment process ensured that each route number in RIP and each asset number in FMSS were matched to the correct road and parking area.

Issue Statement:
As a result of various pre-existing business practices associated with the RIP, which predates FMSS by several years, route numbers are assigned for routes that are often very small. In tandem with the current business practice that all routes with route numbers are considered assets, this has caused a proliferation of asset numbers within FMSS. Over the past year, the RWG has learned that this business practice has significantly increased time and resources that parks must dedicate to administering FMSS data entry and management. This additional work effort is due to the fact that tying FMSS asset records to the more detailed, granular RIP route numbers has generated numerous new assets that require additional database and work order management. This has led to a situation where assets are not being defined the way they are managed.

The following proposed practices seek to create an asset definition process that is dictated by to how road assets are managed at the park level, not according to the pre-existing practices used in RIP for collecting detailed road information. RIP practices assign route numbers mainly based on how data are collected and driven with a data collection device. These procedures will disassociate the driving of roads with the data collection van from the process of assigning them asset status. **The end goal is to only assign asset numbers based on how parks manage their facilities within guidelines set up within FMSS and herein.** Driving the road with the data collection van allows for the collection of higher quality data as well as the ability to view road segments with video viewing software (Visidata). By de-linking driving the roads with the assignment of "asset status", we are able to get the best quality data without the proliferation of assets that has serious negative ramifications for managing roadways in parks using asset management tools.

Proposed Actions:

1. Make a distinction within the route number field in the RIP database between those route numbers that represent assets, those that are subcomponents of assets and those that are groups of sub-components. The route number field in the RIP database will be expanded from 6 to 7 characters. The additional character will denote the asset status of the route in question. Combined routes will be designated with a double "zz", while subcomponents will be designated with one "z". Whenever possible, a combined route should use the lowest route number to be combined as the combined route number.
2. Only show assets, whether a group of subcomponents or a single component, on the Route ID report. Assets that are composed of subcomponents will have "zz" in the route number. Individual routes will have no additional characters in the route number. Subcomponents (designated in RIP with a "z") will not be listed on the route ID report. Only assign asset numbers to those routes listed on the route ID report.
3. Provide a separate reporting function (other than the Route ID report) to identify and display information for route numbers not representing assets. Specific reporting requirements and format TBD.
4. Add a new field to the RIP database to indicate the "asset status" of a route number. The flag will have three possible values:
    a. Asset with no subcomponents.
    b. Asset with subcomponents.
    c. Non-asset (i.e. subcomponent).

    Both a change in the route number and a new "asset ID" field in the RIP database are recommended. It is easier to perform queries and other database manipulations using a separate field instead of a character within the route number field. The character in the route number field allows for rapid identification of the asset status of a road without having to access the database as a whole. Even thought non-asset routes will not be included in the route ID report (the primary location for parks to view road information in RIP), there are many other reports as well as the Visidata application where the route number is

displayed. In these cases, the character in the route number will clearly identify the asset status of the roadway.

5. Focus asset definition practices on NPS asset management needs. Create roadway assets based on how parks manage these assets within the following guidelines:
    a. Individual road segments (asset subcomponents) may be combined into a single asset**. Note that all the attributes of individual subcomponents (paved area, equipment, work orders, etc) will be included in the combined asset.**
    b. In general, combination should be used in complex circulatory environments such as campground areas, housing and other administrative areas, maintenance areas, etc.
    c. Public and non-public segments may not be combined.
    d. Segments with differing functional classes may not be combined.
    e. Discrete parking areas may be combined into a single asset where they service the same facility or resource and are within walking distance of each other.
    f. Parking areas and roads may not be combined. This includes short road segments that may be near or adjacent to parking areas. See 5h below for exceptions to this.
    g. Where the primary purpose of a road is to provide access to a parking area, and that road segment is approximately 0.25 miles in length or shorter, the access road should be considered part of the parking area (Note that this is an existing RIP business practice).
    h. Particularly long routes may be divided into multiple assets based on how a park manages the roadway network. This should not be confused with the use of sub-components listed in 5a.
    i. Roads that are actively managed by concession operations may not be combined with those managed by the NPS.

Discussion:
The first four items listed above are actions required by FHWA RIP to allow for the adoption of the practices shown in 5a-i. The following will provide additional direction and examples for guidelines listed.

<u>Individual road segments (asset subcomponents) may be combined into a single asset.</u>
Where previous route ID practices have generated more assets (routes) than are practical from an asset management standpoint, small, discrete road lengths may be designated as asset subcomponents and then combined into a larger single asset. A subcomponent is NOT an FMSS term. Subcomponents will be used in RIP to indicate which routes are small, drivable individual road segments and which routes may include these segments. Once a piece of road is designated a subcomponent of another route, it will no longer have any individual identity in FMSS. Only those routes listed on the RIP Route ID report will have asset numbers in FMSS. As stated in business rule 2 above, subcomponents will not be listed on the route ID. The quantity information (length, area) will be included into the larger route of which they are a part. See Figures 1 and 2 for an example of how existing assets may be combined using subcomponents. Note that

subcomponents will have an identity in the RIP database and, if driven by RIP team, may be referenced in RIP reports, Visidata, or other RIP documentation.

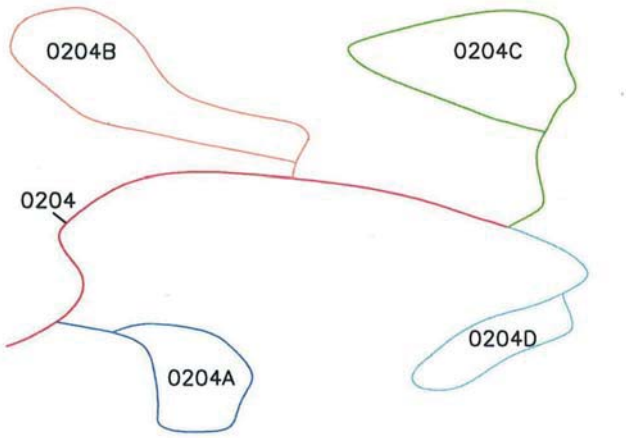


Figure 1: Campground with five routes and five assets

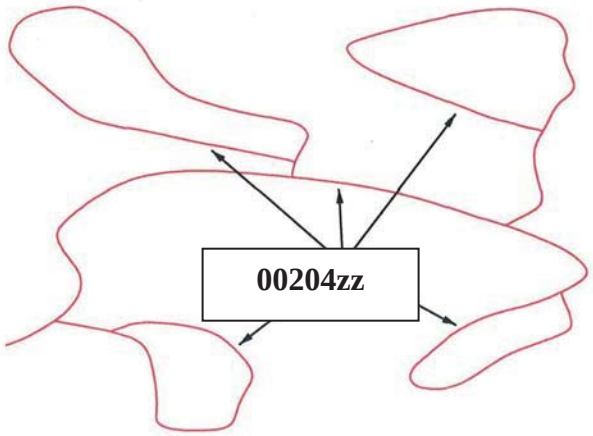


Figure 2: Campground with all loops combined into one route and one asset. This has eliminated four assets.

In general, combination should occur in complex circulatory environments such as campground areas, housing and other administrative areas, maintenance areas, etc.

Typically these complex situations are where too many assets have been used to define roadways. Combining simple "point A to point B" roads that are clearly defined and provide access to different facilities or locations may not be done.

Public and non-public segments may not be combined. Roads that are posted as closed to the public or are intended as administrative access only (maintenance areas, housing areas, fire roads, etc) can not be combined with roads open to the public.

Segments with differing functional classes may not be combined. The roadway functional class is found on the Route ID report. Functional class indicates the type of circulatory function a given road provides. Functional class is used in a variety of applications (engineering, safety, funding) so it is important to maintain the correct functional class attributes of individual roads/assets. There are some cases where functional class was erroneously assigned in prior Route ID meetings such as where campground loops have a different functional class than the campground road. Functional classes of individual roads may be modified to correct discrepancies. The functional class definitions may not be modified.

Discrete parking areas may be combined into a single asset where they service the same facility or resource and are within walking distance of each other. These combined areas should be maintained as one asset. There are many instances where small (5-10 space), discrete parking areas have been separated into individual assets even though they provide parking for the same area or facility. These may be combined into a single asset. Figures 3 and 4 shows examples of combining parking areas.

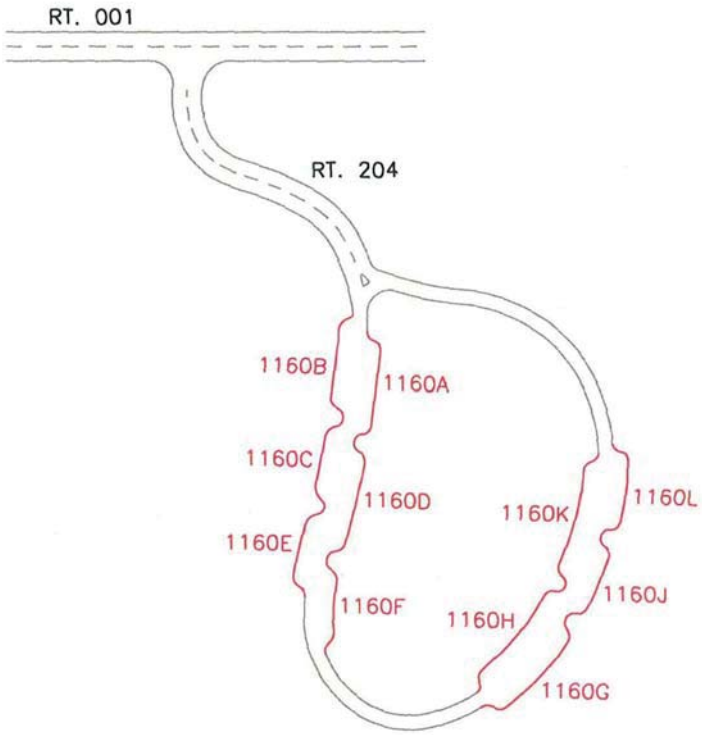


Figure 3: Parking with access route 204 and multiple parking areas (1160 A-L). Currently, this parking area is 12 routes and 12 assets (one 1100 asset and 11 1300 assets).

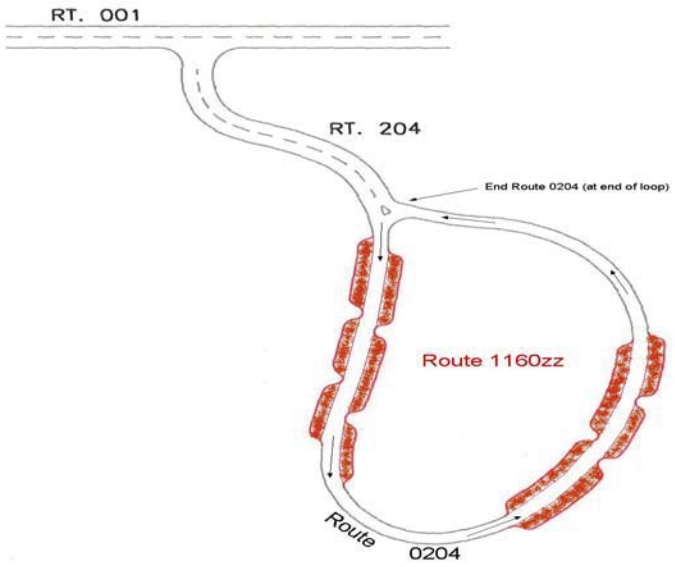


Figure 4: Parking with access route 204 and one parking area 1160zz. Route 204 is assumed longer than 0.25 miles. There are now 2 assets (one 1100 asset, one 1300 asset) instead of 12.

Parking areas and roads may not be combined. Parking areas and roads are tracked as separate asset types (1300 vs. 1100) in FMSS and as such should not be combined except in situations described by 5g. In Figure 5, Route 207 is a spur road from the main route running through parking area 1102. Since the spur road continues through and beyond the parking area, it will remain a separate route.

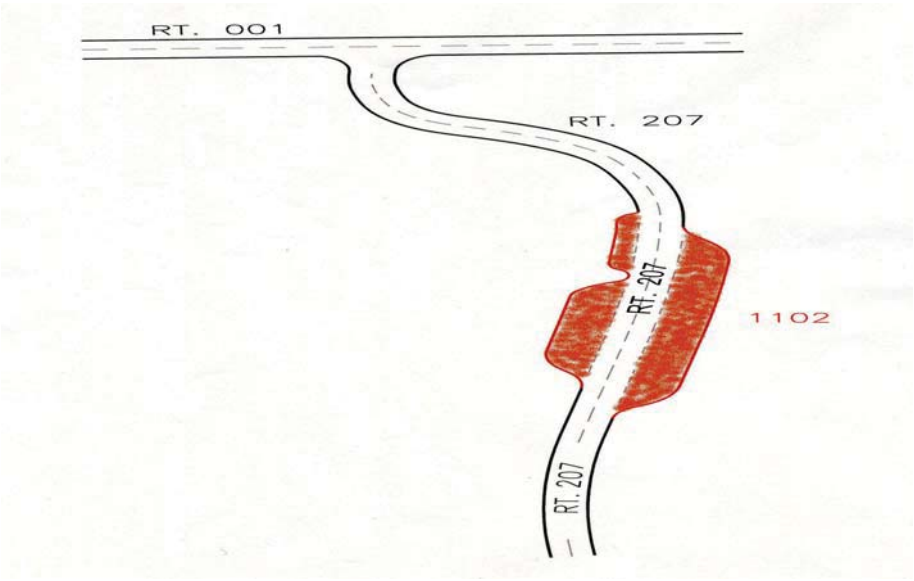


Figure 5: Parking with access route 207 running through and continuing beyond parking 1102. This access route cannot be considered a part of the parking area and two routes and two assets continue to exist.

Where the primary purpose of a road is to provide access to a parking area, and that road segment is less than 0.25 miles in length, the access road should be considered part of the parking area. See Figures 8. Where a road continues on past a parking area to another facility or destination, even if it is less than 0.25 miles to the initial parking area, the road and parking area may not be combined.

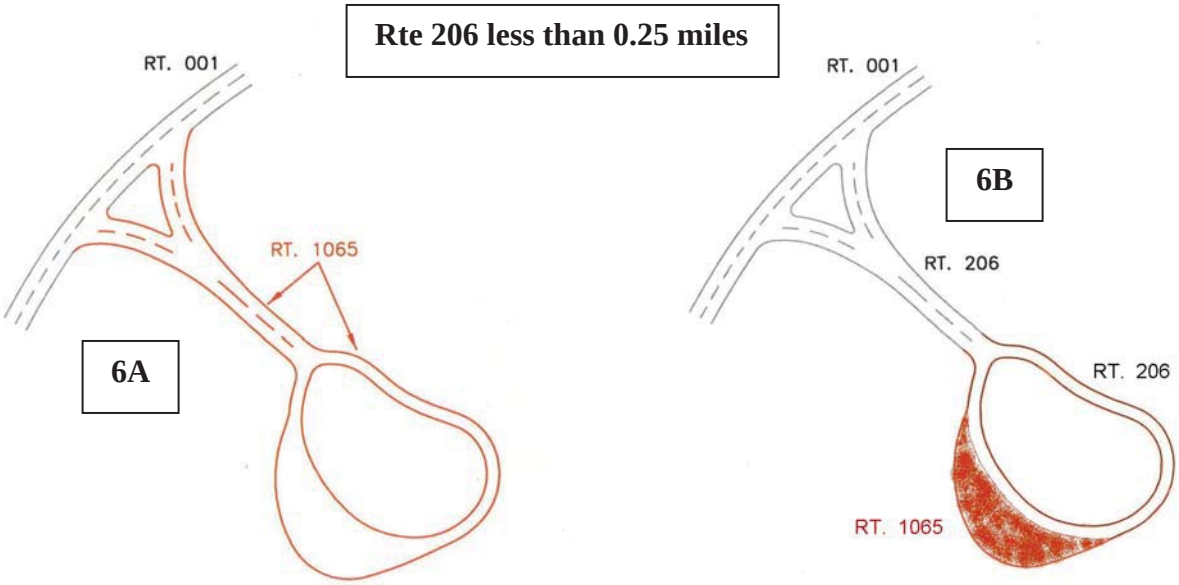


Figure 6: Since the access route is less than .25 miles in length and the only use of the access is to the parking, one route for both the access and the parking area can be established.

Particularly long routes may be divided into multiple assets based on how a park manages the roadway network. This should not be confused with the use of sub-components listed in 5a. Routes like the Blue Ridge Parkway or the Yellowstone Grand Loop may not lend themselves to management as a single asset by virtue of their length. Often management districts are created for sections of these routes and maintenance activities occur primarily within these districts. Parks may break routes up into separate assets during the Route ID process if the road is managed as discrete sections. This should only be done for very long roads.

The following example illustrates a complex road system and how the proposed business practice and several of the guidelines could be applied to create fewer assets that are consistent with local management.

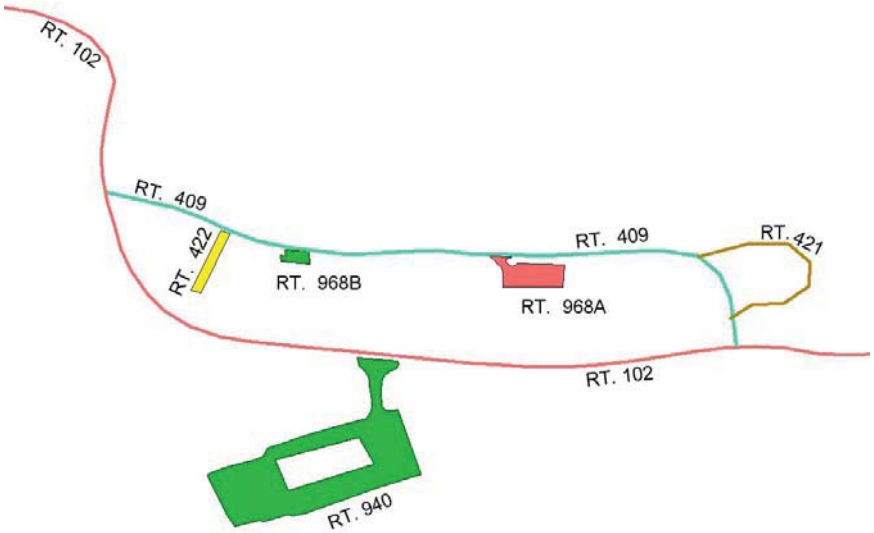


Figure 7 – Current Housing area access configuration. Route 409 is less than 0.25 miles long.

The area serviced by Routes 409, 421, 422, 968A, and 968B is all employee housing. Route 940 provides access to visitor services and not to the housing area. Routes may be combined to create assets that reflect local management. Routes 409, 421, and 422 are all the same functional class, provide access to one type of activity (housing) and are all posted as non-public. These routes may be combined. They should not be combined with any parking areas even though they are all less than 0.25 miles long. This is because their main function is not to provide access to parking. Routes 968A and B provide parking for access to the same facility (housing). Even though these discrete areas may provide parking to different housing units, it's reasonable to manage them as a single asset. They may also be combined.

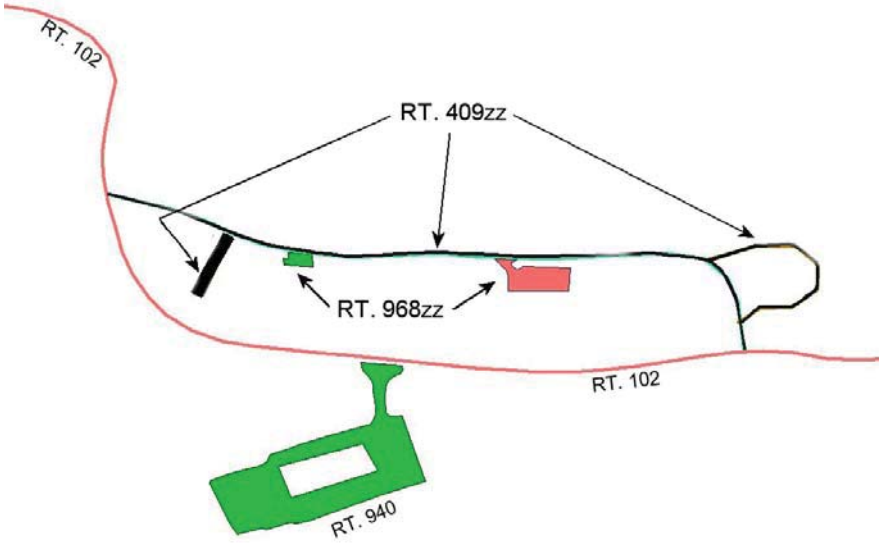


Figure 8 – Combined housing area access configuration – Parking and road assets combined to eliminate 3 assets.