The Road Inventory
of
Canaveral National Seashore
CANA - 5180

national park service
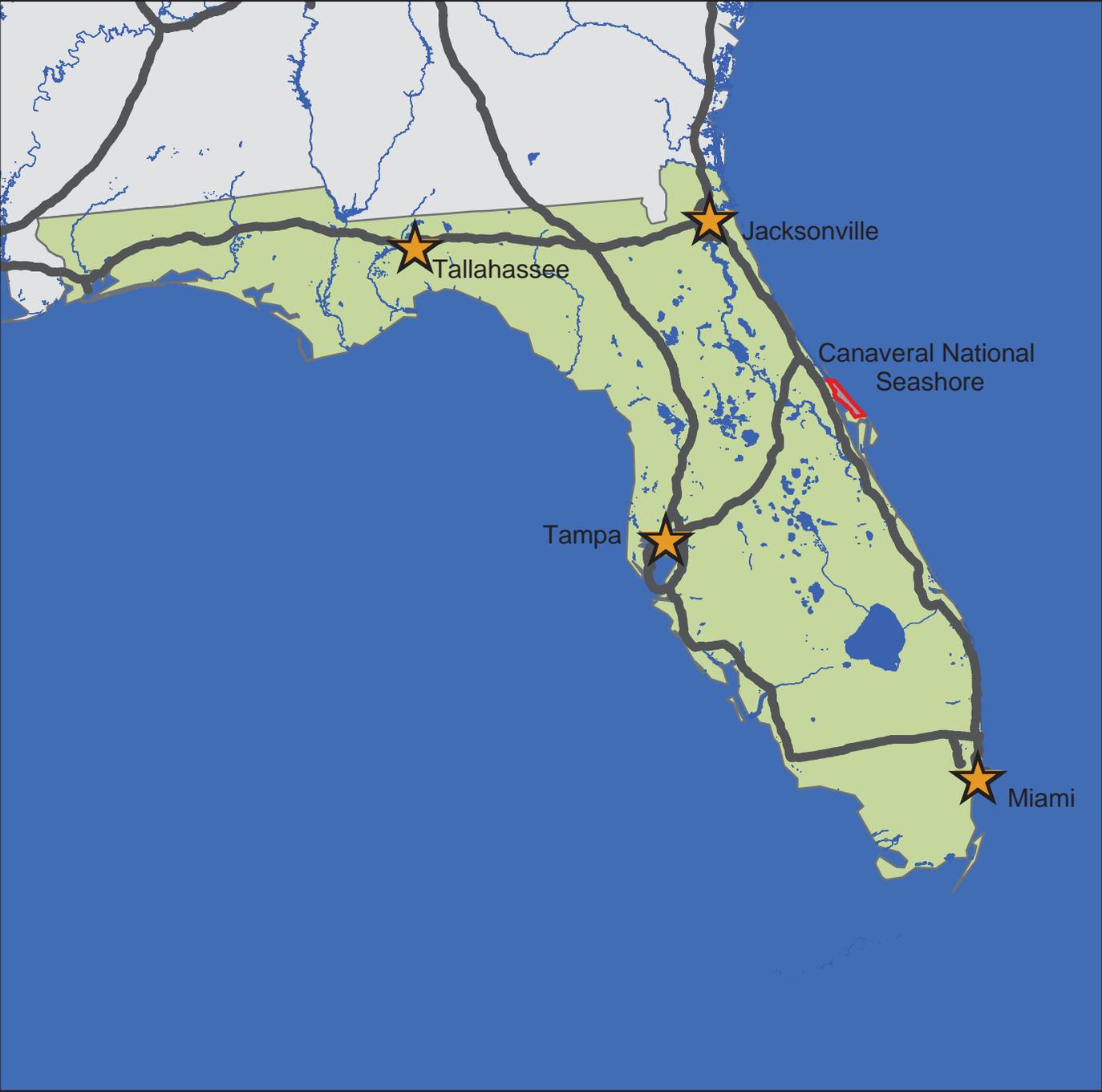
Road Inventory Program

Canaveral National Seashore
in
Florida

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INTRODUCTION

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

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

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

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

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

In 1998, the Transportation Equity Act for the 21st Century (TEA-21) amended Title 23 U.S.C., and inserted Section 204(a)(6) which requires the Federal Highway Administration and the National Park Service, to develop, by rule, a Pavement Management System (PMS) for the park roads and parkways serving the National Park System. As a result of the requirements in TEA-21, the NPS and the FHWA are in the process of developing a PMS. The PMS will assist the decision-makers in effectively spending limited PRP Program funds. The PMS will provide information for planning and programming road maintenance, rehabilitation, and reconstruction activities. RIP data will provide the basic information for this system.

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

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

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

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

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

FHWA RIP Coordinator:

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Canaveral National Seashore Summaries

Overall Park Mileage Summary

PARK TOTAL SUMMARY ITEMS	TOTAL	DATE
Paved ARAN Driven Route Miles	16.88	3/8/2002
Unpaved Estimated Route Miles	2.80	3/8/2002
Paved ARAN and Unpaved Route Miles	19.68	
Paved ARAN Driven Lane Miles	32.51	3/8/2002
Paved MRR Lane Miles	0.50	3/8/2002
Parking Lot Lane Miles	12.05	3/8/2002
Total Paved Lane Miles	45.06	

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

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

Canaveral National Seashore Summaries

Cost to Improve to "Excellent" Condition

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

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

Existing Condition	Existing Miles	Estimated Cost to Improve
Excellent	0.14	$4,200
Good	3.70	$407,000
Fair	10.40	$5,824,000
Poor	2.64	$4,065,600
Totals	**16.88**	**$10,300,800**

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

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

Canaveral National Seashore Summaries

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

F.C.	Poor (<=60) MILES	%	Fair (61-84) MILES	%	Good (85-94) MILES	%	Excellent (95-100) MILES	%	TOTAL MILES
1	1.83	10.84%	7.56	44.79%	1.32	7.82%	0.08	0.47%	10.79
2									
3	0.81	4.80%	2.84	16.82%	2.38	14.10%	0.06	0.36%	6.09
4									
5									
6									
7									
8									
Totals	2.64	15.64%	10.40	61.61%	3.70	21.92%	0.14	0.83%	16.88

Canaveral National Seashore
Route Location
Key Map
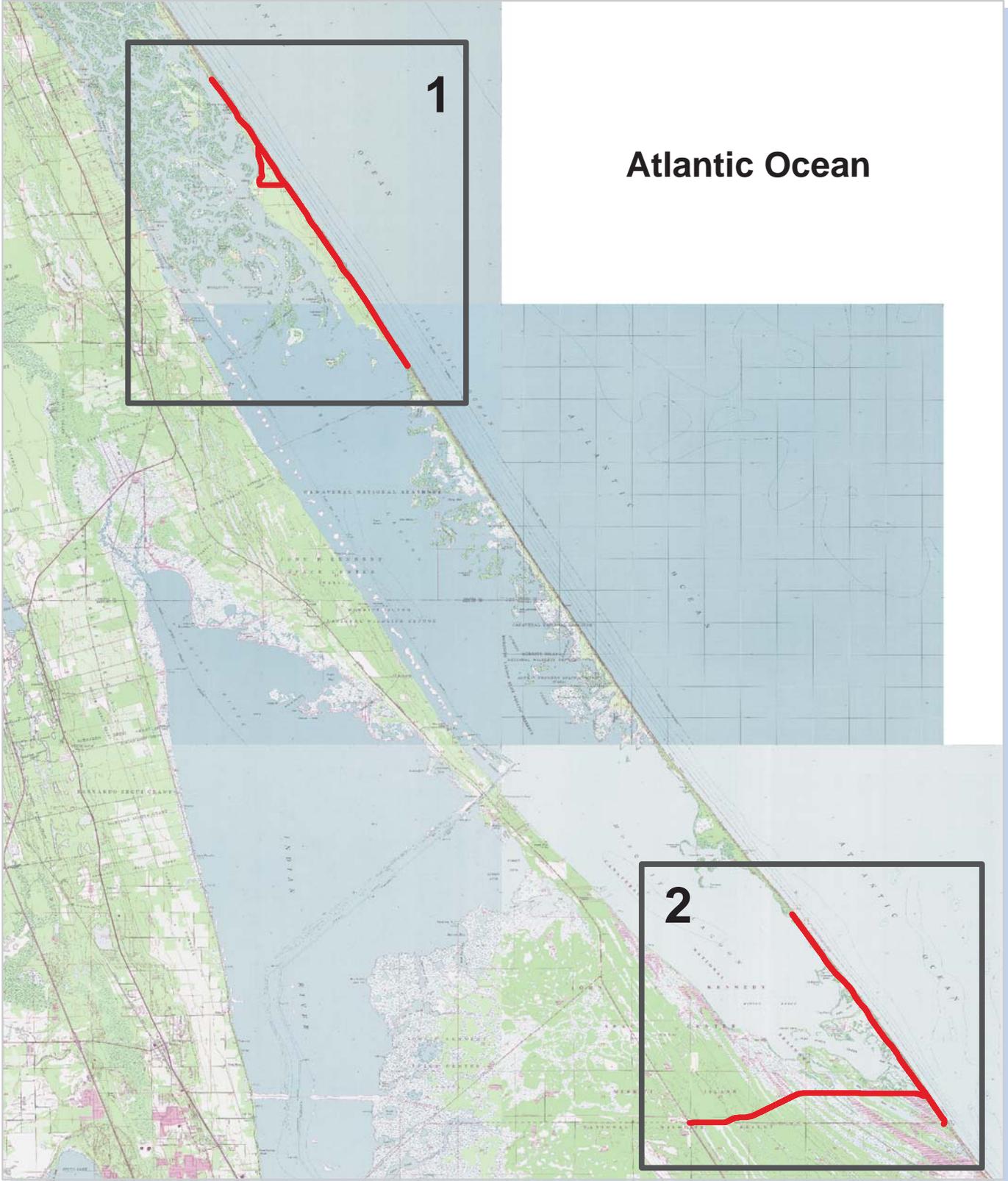
Atlantic Ocean

1

2

Park Owned Routes

5   2.5   0   5
                                                    Miles

N

3-1

Canaveral National Seashore
Route Location Map
Area Map 1

Rte 0931

Rte 0940

Rte 0941

Rte 0205

Rte 0936

Rte 0937

Rte 0932

Rte 0938

Rte 0939

Rte 0933

Rte 0013

Rte 0934

Rte 0942

Rte 0935

Unique colors used to differentiate routes

1   0.5   0   1 Miles

N

3-2

Canaveral National Seashore
Route Location Map
Area Map 2

Rte 0913
Rte 0912
Rte 0911
Rte 0910
Rte 0909
Rte 0010
Rte 0908
Rte 0907
Rte 0906
Rte 0905
Rte 0918
Rte 0919
Rte 0904
Rte 0903
Rte 0921
Rte 0902
Rte 0901
Rte 0916
Rte 0917
Rte 0300
Rte 0200
Rte 0915
Rte 0920
Rte 0914
Rte 0922
Rte 0900
Rte 0923
Rte 0924

Unique colors used to differentiate routes

1   0.5   0   1
Miles

N

3-3

Canaveral National Seashore
Route Condition Key Map
PCR - Mile by Mile

1

Atlantic Ocean

2

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

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

5   2.5   0   5
Miles

N

3-4

Canaveral National Seashore
Route Condition Area Map 1
PCR - Mile by Mile

Rte 0931

Rte 0940

Rte 0941

Rte 0205

Rte 0936

Rte 0937

Rte 0932

Rte 0938

Rte 0939

Rte 0933

Rte 0013

Rte 0934

Rte 0942

Rte 0935

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

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

1   0.5   0   1
Miles

N

3-5

Canaveral National Seashore
Route Condition Area Map 2
PCR - Mile by Mile

Rte 0913
Rte 0912
Rte 0911
Rte 0010
Rte 0910
Rte 0909
Rte 0908
Rte 0907
Rte 0906
Rte 0905
Rte 0904
Rte 0903
Rte 0902
Rte 0901
Rte 0919
Rte 0918
Rte 0921
Rte 0917
Rte 0916
Rte 0300
Rte 0200
Rte 0915
Rte 0914
Rte 0920
Rte 0900
Rte 0922
Rte 0923
Rte 0924

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

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

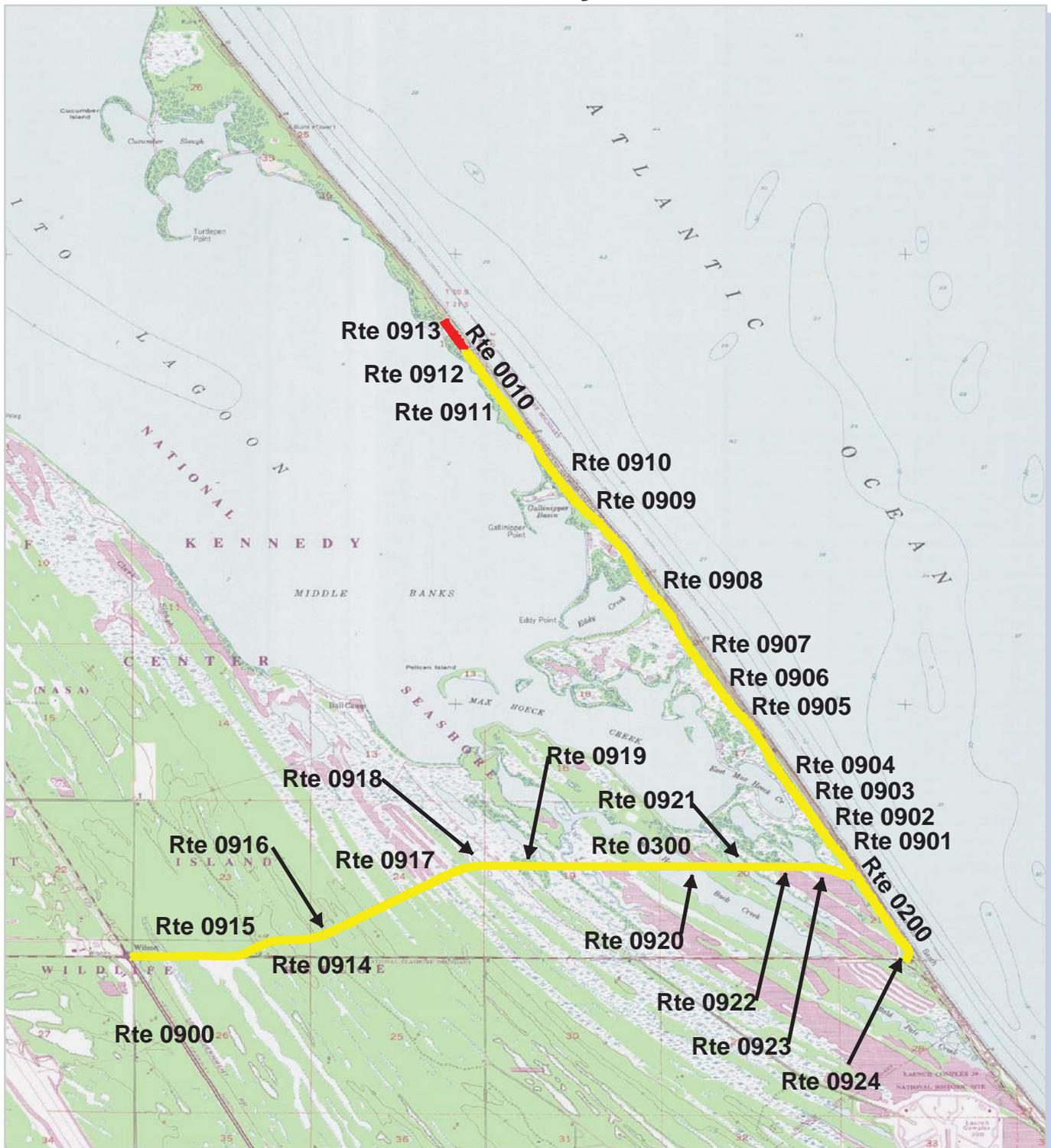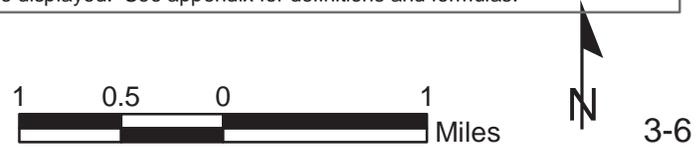1   0.5   0   1
Miles

Shading Color Key:

Red text denotes approx. mileage

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

CANA   *Canaveral National Seashore*

Rte. #	FMSS Asset #	Route Name	Route Description From	To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0010	60814	Playalinda Beach Road	From End of Route 0300, North	To End	4.23	0.00	4.23	1	2	0	AS
0013	60780	Apollo Beach Road	From SR A1A	To End of Loop	6.56	0.00	6.56	1	2	0	AS
0200	60836	Beach Office Complex	From End of Route 0300, South	To End	0.67	0.00	0.67	3	2	0	AS
0201	60828	Eddy Creek Access	From Route 0010 at MP 2.0	To End	0.50	0.00	0.50	3	1	28,930	AS
0205	60781	El Dora Loop Road	From Route 0013	To Route 0013 (going North to South)	1.21	0.00	1.21	3	1	0	OC
0206	60783	River Road	From Route 0013	To End	0.00	1.30	1.30	3	2	0	GR
0300	60798	Playalinda Access Road	From SR 3	To Route 0010 and Route 0200 Intersection	4.21	0.00	4.21	3	2	0	AS
0400	60782	Maintenance Access	From Route 0013	To End	0.00	0.14	0.14	5	2	0	GR
0401		Bill Hill Road	From County Road	To End	0.00	0.41	0.41	5	2	0	GR
0700	60784	ND River Trace Lane	From	To	0.00	0.27	0.27	ZZ	1	0	GR
0701	60838	SD Wilson Corner Maintenance Road	From	To	0.00	0.61	0.61	ZZ	1	0	GR
0702	73443	CD - Seminole Rest Service Drive	From	To	0.00	0.07	0.07	ZZ	1	0	GR
0900	60799	Playalinda Entrance Parking	Adjacent to Route 0300 at MP 0.75		0.00	0.00	0.00	9		3,810	AS
0901	60815	Beach Parking #1	Adjacent to Route 0010 at MP 0.30		0.00	0.00	0.00	9		28,746	AS
0902	60817	Beach Parking #2	Adjacent to Route 0010 at MP 0.45		0.00	0.00	0.00	9		36,304	AS
0903	60818	Beach Parking #3	Adjacent to Route 0010 at MP 0.65		0.00	0.00	0.00	9		31,067	AS
0904	60819	Beach Parking #4	Adjacent to Route 0010 at MP 0.8		0.00	0.00	0.00	9		39,969	AS
0905	60820	Beach Parking #5	Adjacent to Route 0010 at MP 1.3		0.00	0.00	0.00	9		39,925	AS
0906	60827	Beach Parking #6	Adjacent to Route 0010 at MP 1.5		0.00	0.00	0.00	9		42,142	AS
0907	60826	Beach Parking #7	Adjacent to Route 0010 at MP 1.7		0.00	0.00	0.00	9		34,681	AS
0908	60829	Beach Parking #8	Adjacent to Route 0010 at MP 2.2		0.00	0.00	0.00	9		41,634	AS
0909	60831	Beach Parking #9	Adjacent to Route 0010 at MP 2.80		0.00	0.00	0.00	9		24,952	AS
0910	60832	Parking #10	Adjacent to Route 0010 at MP 3.0		0.00	0.00	0.00	9		30,051	AS
0911	60833	Parking #11	Adjacent to Route 0010 at MP 3.6		0.00	0.00	0.00	9		14,406	AS
0912	60834	Parking #12	Adjacent to Route 0010 at MP 3.85		0.00	0.00	0.00	9		14,734	AS
0913	60835	Parking #13	Adjacent to Route 0010 at MP 4.15		0.00	0.00	0.00	9		12,742	AS
0914	60801	Ranger Station Parking	Adjacent to Route 0300 at MP 0.86 on Right		0.00	0.00	0.00	9		12,932	AS
0915	60802	Contact Station RV Pullout	Adjacent to Route 0300 at MP 0.86 on Left		0.00	0.00	0.00	9		2,552	AS
0916	60803	Turnout #1	Adjacent to Route 0300 at MP 1.2		0.00	0.00	0.00	9		9,969	AS
0917	60804	Turnout #2	Adjacent to Route 0300 at MP 1.9		0.00	0.00	0.00	9		12,278	AS

Shading Color Key:

Red text denotes approx. mileage

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Grey = Paved Routes, ARAN not Driven	Red =
Black = Paved State, Local or Private non-NPS Routes, ARAN Driven	Purple =

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

CANA

Canaveral National Seashore

Rte. #	FMSS Asset #	Route Name	Route Description From	To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0918	60806	Turnout #3	Adjacent to Route 0300 at MP 2.2		0.00	0.00	0.00	9		7,853	AS
0919	60808	Turnout #4	Adjacent to Route 0300 at MP 2.4		0.00	0.00	0.00	9		6,363	AS
0920	60809	Turnout #5	Adjacent to Route 0300 at MP 3.3		0.00	0.00	0.00	9		9,647	AS
0921	60810	Turnout #6	Adjacent to Route 0300 at MP 3.55		0.00	0.00	0.00	9		6,301	AS
0922	60812	Turnout #7	Adjacent to Route 0300 at MP 3.8		0.00	0.00	0.00	9		7,935	AS
0923	60813	Turnout #8	Adjacent to Route 0300 at MP 4.0		0.00	0.00	0.00	9		5,904	AS
0924	60837	Beach Office Complex Parking	Near End of Route 0200		0.00	0.00	0.00	9		5,441	AS
0931	60786	Parking #1	Adjacent to Route 0013 at MP 0.1 on Left		0.00	0.00	0.00	9		49,533	AS
0932	60789	Parking #2	Adjacent to Route 0013 at MP 2.30		0.00	0.00	0.00	9		12,839	AS
0933	60790	Parking #3	Adjacent to Route 0013 at MP 3.3		0.00	0.00	0.00	9		12,961	AS
0934	60791	Parking #4	Adjacent to Route 0013 at MP 4.4		0.00	0.00	0.00	9		12,677	AS
0935	60792	Parking #5	At End of Route 0013		0.00	0.00	0.00	9		9,280	AS
0936	60793	Parking #6	Adjacent to Route 0205 at MP 0.3		0.00	0.00	0.00	9		9,330	AS
0937	60794	Parking #7	Adjacent to Route 0205 at MP 0.50		0.00	0.00	0.00	9		10,659	AS
0938	60795	Parking #8	Adjacent to Route 0205 at MP 0.75		0.00	0.00	0.00	9		13,557	AS
0939	60796	Parking #9	Adjacent to Route 0205 at MP 1.0		0.00	0.00	0.00	9		8,874	AS
0940	60787	Boat Ramp Parking	Adjacent to Route 0013 at MP 0.3 on Right		0.00	0.00	0.00	9		56,487	AS
0941	60797	Turtle Mound Parking	Adjacent to Route 0013 at MP 0.7		0.00	0.00	0.00	9		6,359	AS
0942	73396	Seminole Rest Trail Parking	Adjacent to River Road at MP 1.34 in Oak Hill		0.00	0.00	0.00	9		14,872	AS
0943		Seminole Rest Trail Overflow Parking	Adjacent to River Road at MP 1.4 in Oak Hill		0.00	0.00	0.00	9		0	GR
				Totals:	17.38	2.80	20.18			728,696	

03/07/2005

Shading Color Key:

Red text denotes approx. mileage

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

General Park Road Functional Classification Table

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

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

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

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

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

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

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

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

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

****

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

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

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

Surface Type Abbreviations:
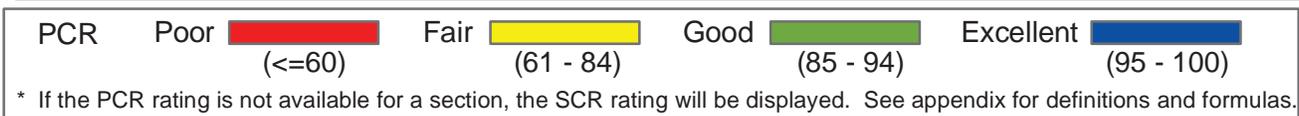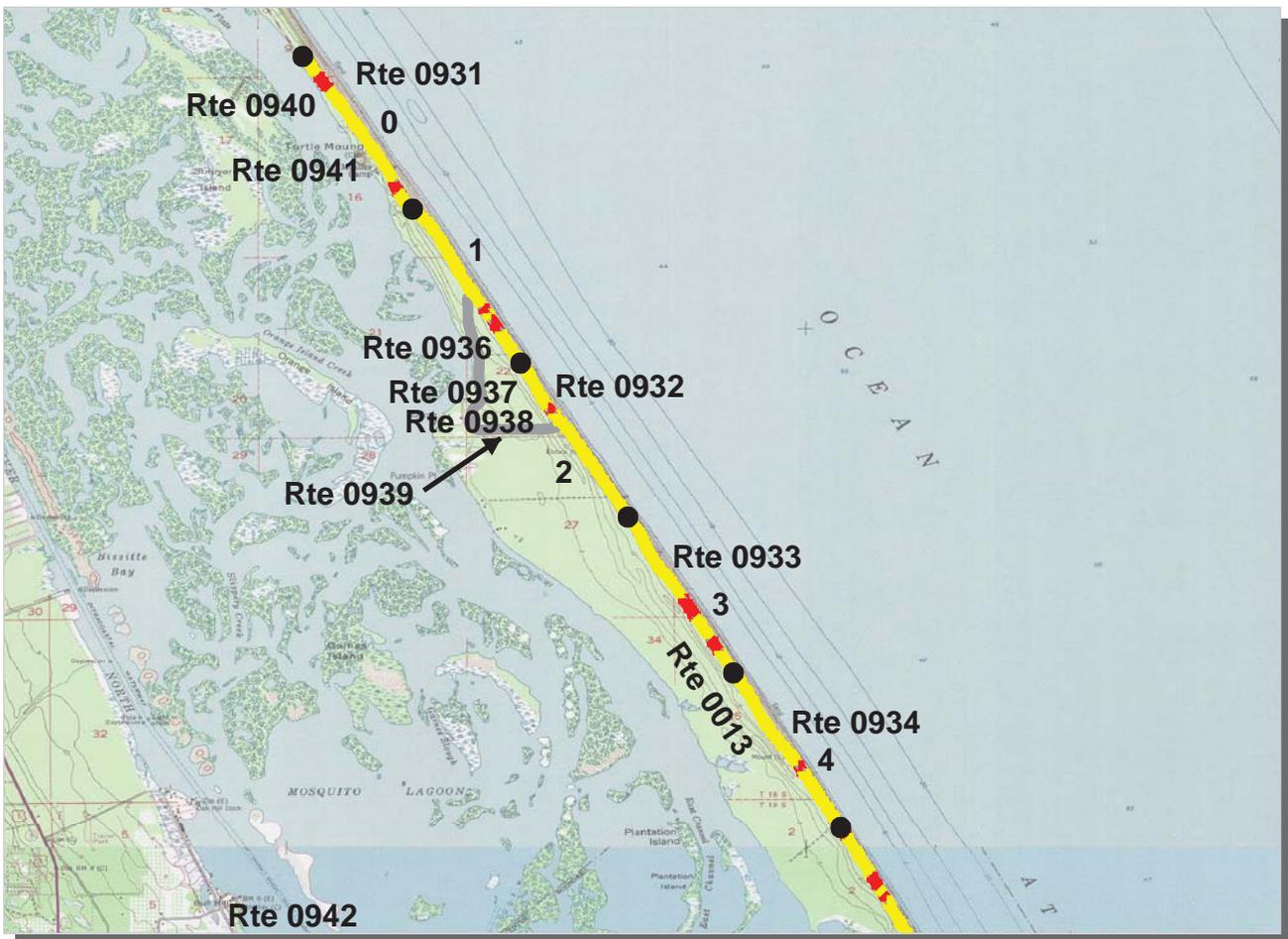
AS - Asphaltic Concrete Pavement

CO - Portland Cement Concrete Pavement

NC - New Chip Seal Pavement (Under 5 Years)

OC - Old Chip Seal Pavement (5 Years and Greater)

SS - Slurry Seal Pavement

GR - Gravel Road Bed

BR - Brick or Pavers Road Bed

CB - Cobble Stone Road Bed

SA - Sand Road Bed

DT - Dirt or Native Material Road Bed

OT - Other Materials Road Bed

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

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

Southeast Region
CANA : Canaveral National Seashore

ROUTE: 0010 Playalinda Beach Road　　　　　　**TOTAL LENGTH: 4.23 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	0.23
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	24	20	19	20	20
Lane Width (ft)	14	11	10	10	10
Shoulder Width (ft)	5	9	7	10	7
Roadway Condition Information					
PCR (Pavement Condition Rating)	78	82	79	68	57
RCI (Roughness Condition Index)	92	96	95	90	97
SCR (Surface Condition Rating)	68	73	69	54	49
Alligator Cracking Index	100	100	99	100	100
Rutting Index	68	73	72	67	62
Patching Index	100	100	100	100	100
Tranverse Cracking Index	99	99	98	94	91
Longitudinal Cracking Index	99	99	98	93	94
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0010 Playalinda Beach Road

* NC designates data not collected   NA designates not applicable

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

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

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

Southeast Region
CANA : Canaveral National Seashore

ROUTE: 0013 Apollo Beach Road   **TOTAL LENGTH: 6.56 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	20	20	20	20
Lane Width (ft)	10	10	10	10	9
Shoulder Width (ft)	5	5	7	7	7
Roadway Condition Information					
PCR (Pavement Condition Rating)	69	70	72	65	67
RCI (Roughness Condition Index)	88	97	97	95	94
SCR (Surface Condition Rating)	60	53	55	46	48
Alligator Cracking Index	99	100	100	100	100
Rutting Index	69	73	70	70	72
Patching Index	99	100	100	100	100
Tranverse Cracking Index	95	90	93	88	88
Longitudinal Cracking Index	95	88	92	86	87
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0013 Apollo Beach Road

* NC designates data not collected   NA designates not applicable

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

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

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

Southeast Region
CANA : Canaveral National Seashore

ROUTE: 0013 Apollo Beach Road　　　　　　　　　**TOTAL LENGTH: 6.56 Miles**

Section Number	5	6			
Section Length (mi)	1.00	0.56			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	21	21			
Lane Width (ft)	10	10			
Shoulder Width (ft)	9	6			
Roadway Condition Information					
PCR (Pavement Condition Rating)	67	64			
RCI (Roughness Condition Index)	96	99			
SCR (Surface Condition Rating)	48	51			
Alligator Cracking Index	100	100			
Rutting Index	70	68			
Patching Index	100	100			
Tranverse Cracking Index	89	91			
Longitudinal Cracking Index	87	91			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

* NC designates data not collected   NA designates not applicable

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

ROUTE: 0013 Apollo Beach Road

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

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

Southeast Region
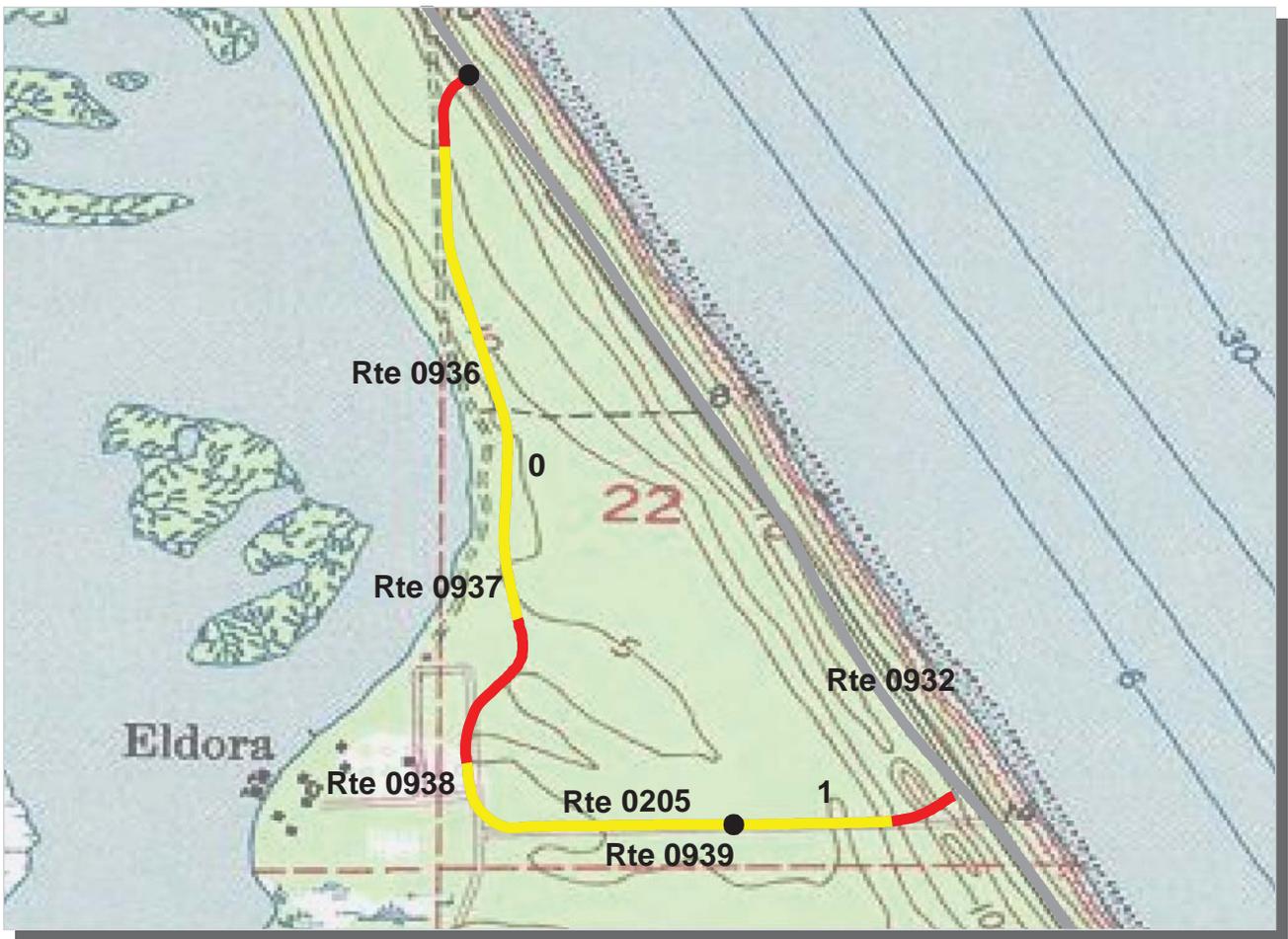**CANA : Canaveral National Seashore**

ROUTE: 0200 Beach Office Complex   **TOTAL LENGTH: 0.67 Miles**

Section Number	0				
Section Length (mi)	0.67				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	71				
RCI (Roughness Condition Index)	97				
SCR (Surface Condition Rating)	60				
Alligator Cracking Index	100				
Rutting Index	61				
Patching Index	99				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

ROUTE: 0200 Beach Office Complex

* NC designates data not collected   NA designates not applicable

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

5-4

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

* If the PCR rating is not available for a section, the SCR rating will be displayed. See appendix for definitions and formulas.
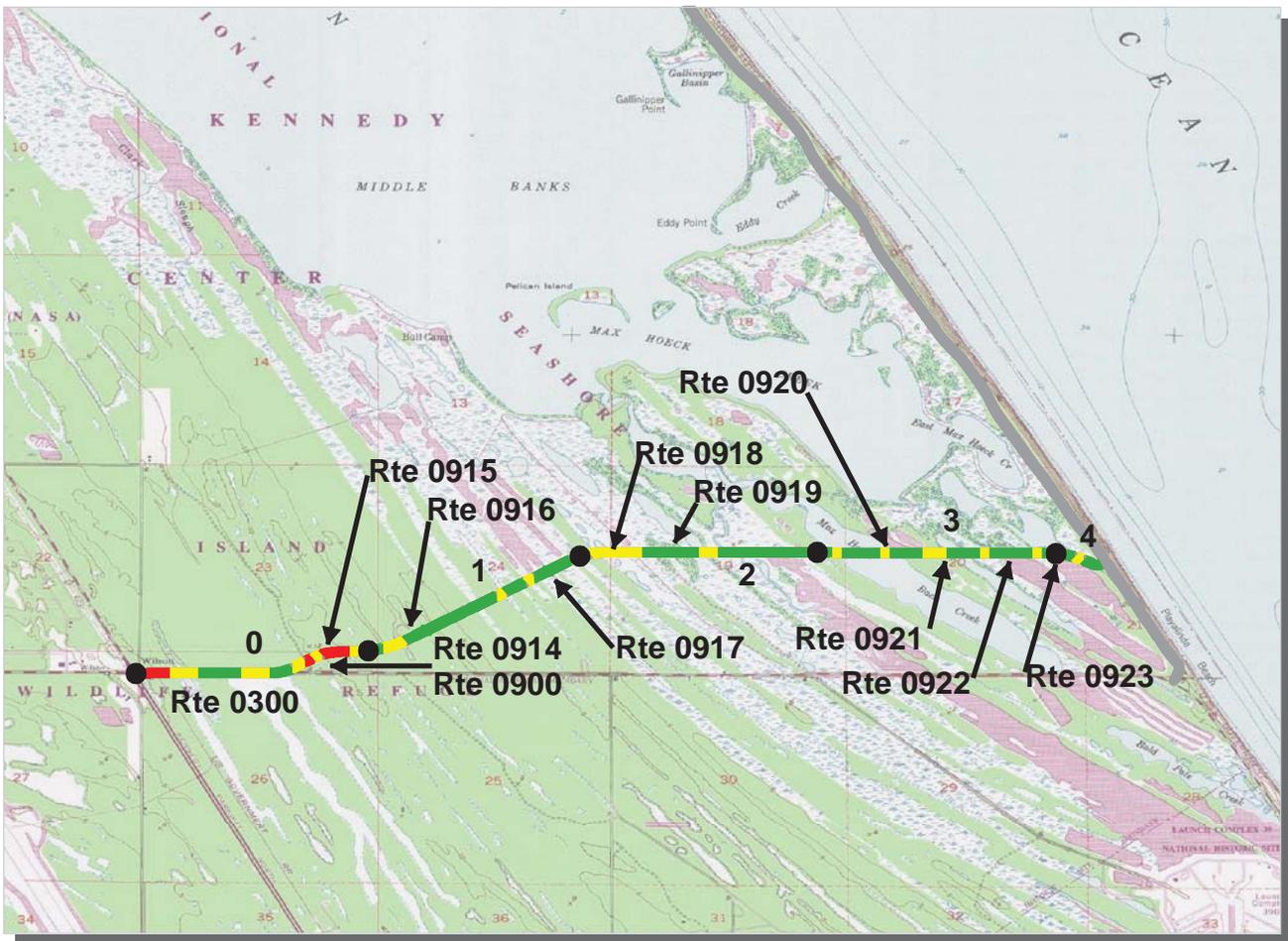
Southeast Region
CANA : Canaveral National Seashore

ROUTE: 0205 El Dora Loop Road　　　　　　　　　　**TOTAL LENGTH: 1.21 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.21			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1	1			
Paved Width (ft)	14	14			
Lane Width (ft)	14	14			
Shoulder Width (ft)	6	6			
Roadway Condition Information					
PCR (Pavement Condition Rating)	66	56			
RCI (Roughness Condition Index)	92	91			
SCR (Surface Condition Rating)	51	42			
Alligator Cracking Index	100	100			
Rutting Index	71	71			
Patching Index	100	100			
Tranverse Cracking Index	92	88			
Longitudinal Cracking Index	87	82			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

* NC designates data not collected   NA designates not applicable

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

ROUTE: 0205 El Dora Loop Road

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

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

Southeast Region
CANA : Canaveral National Seashore

ROUTE: 0300 Playalinda Access Road　　　　**TOTAL LENGTH: 4.21 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	0.21
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	31	22	23	23	26
Lane Width (ft)	12	11	11	11	12
Shoulder Width (ft)	11	10	9	11	6
Roadway Condition Information					
PCR (Pavement Condition Rating)	67	82	83	82	76
RCI (Roughness Condition Index)	93	99	99	99	97
SCR (Surface Condition Rating)	58	71	73	71	61
Alligator Cracking Index	95	100	100	100	100
Rutting Index	62	71	73	71	61
Patching Index	99	100	99	100	100
Tranverse Cracking Index	99	100	100	100	99
Longitudinal Cracking Index	99	100	99	99	100
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

ROUTE: 0300 Playalinda Access Road

* NC designates data not collected　　NA designates not applicable

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

Canaveral National Seashore
Route 0201
Eddy Creek Access
From Route 0010 at MP 2.0

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0201	0.50	0.00	28930	0.50	FAIR / 73	AS

* Lane miles are based on 11' lane widths

Rte 0010

150   75   0   150
Feet   N   6-1

Canaveral National Seashore
Route 0900
Playalinda Entrance Parking
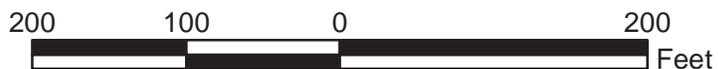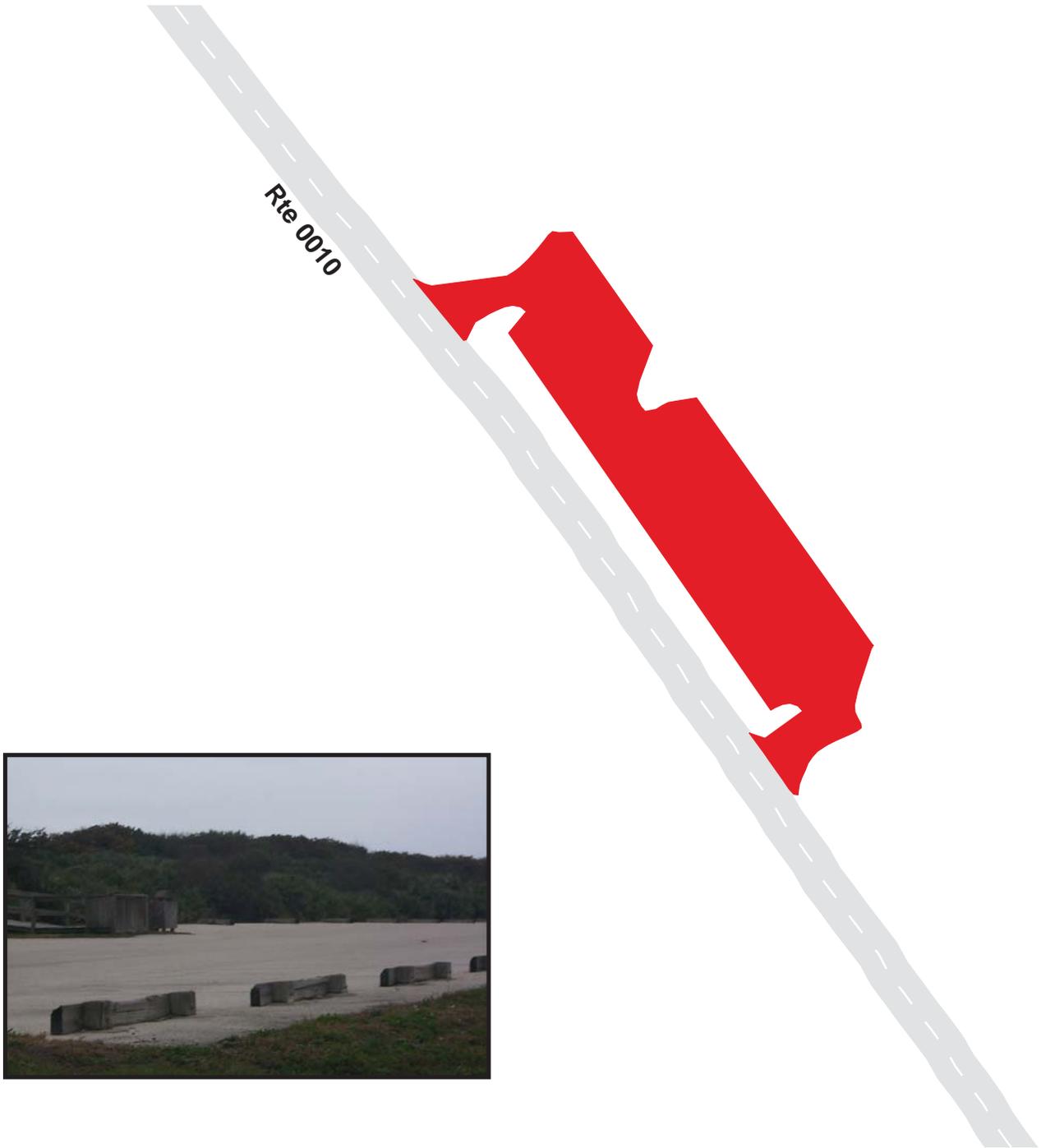Adjacent to Route 0300 at MP 0.75

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0900	Public	2/7/2002	3810	0.07	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Rte 0300

100   50   0   100
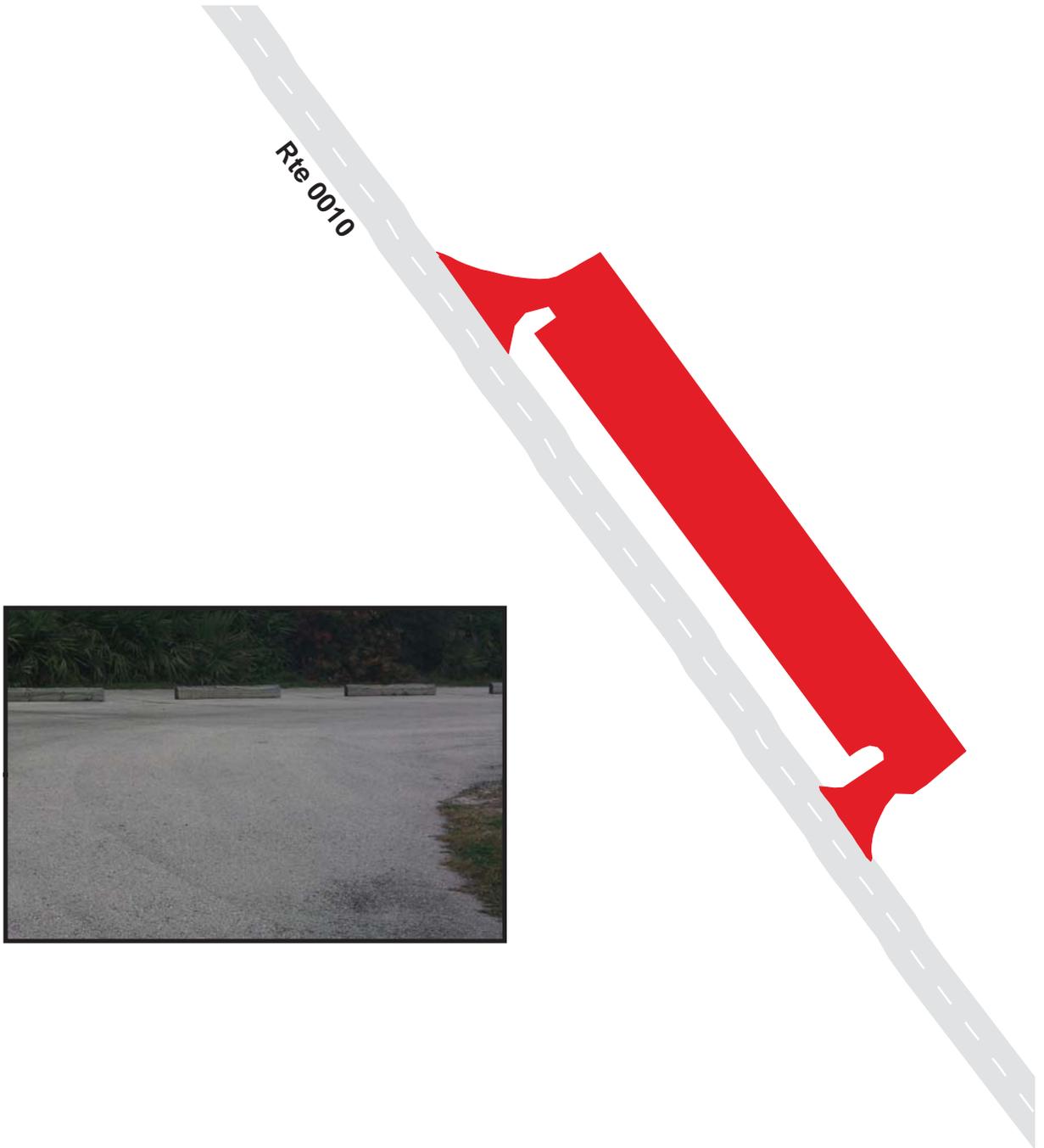Feet

N

7-1
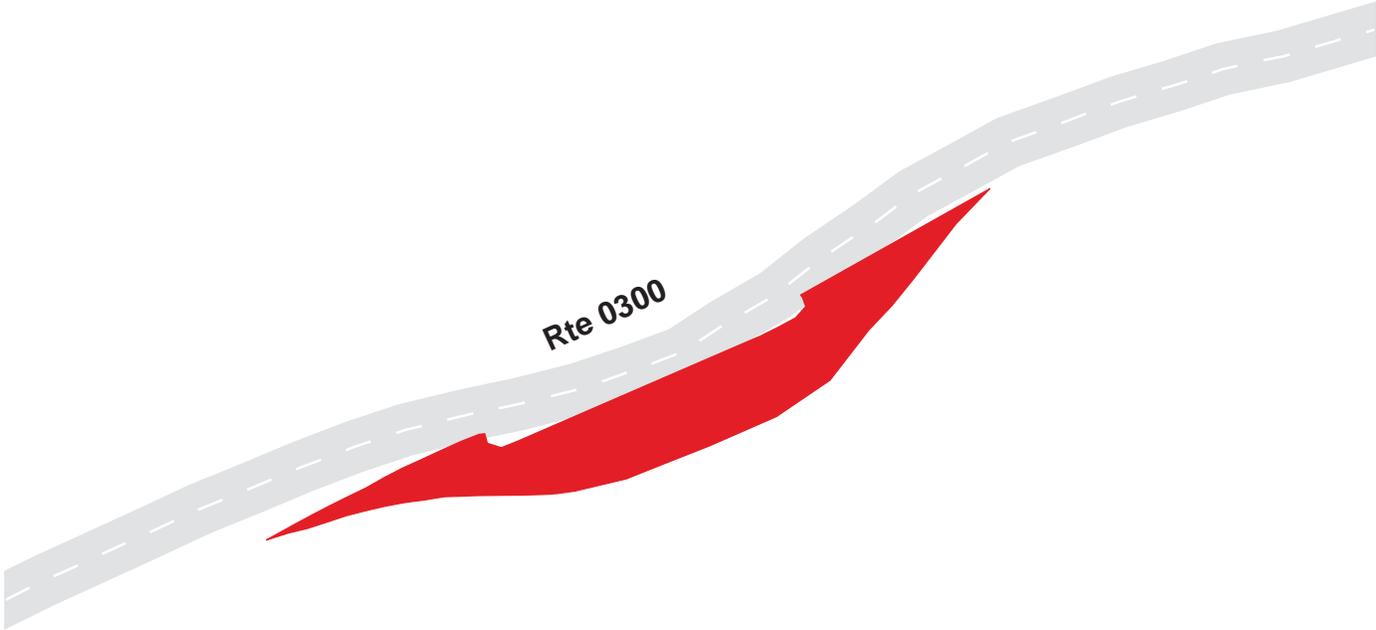
Canaveral National Seashore
Route 0901

Beach Parking #1
Adjacent to Route 0010 at MP 0.30

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901	Public	2/7/2002	28746	0.49	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Rte 0010

200   100   0   200
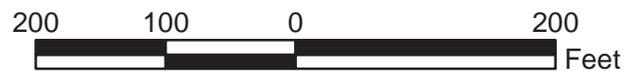Feet
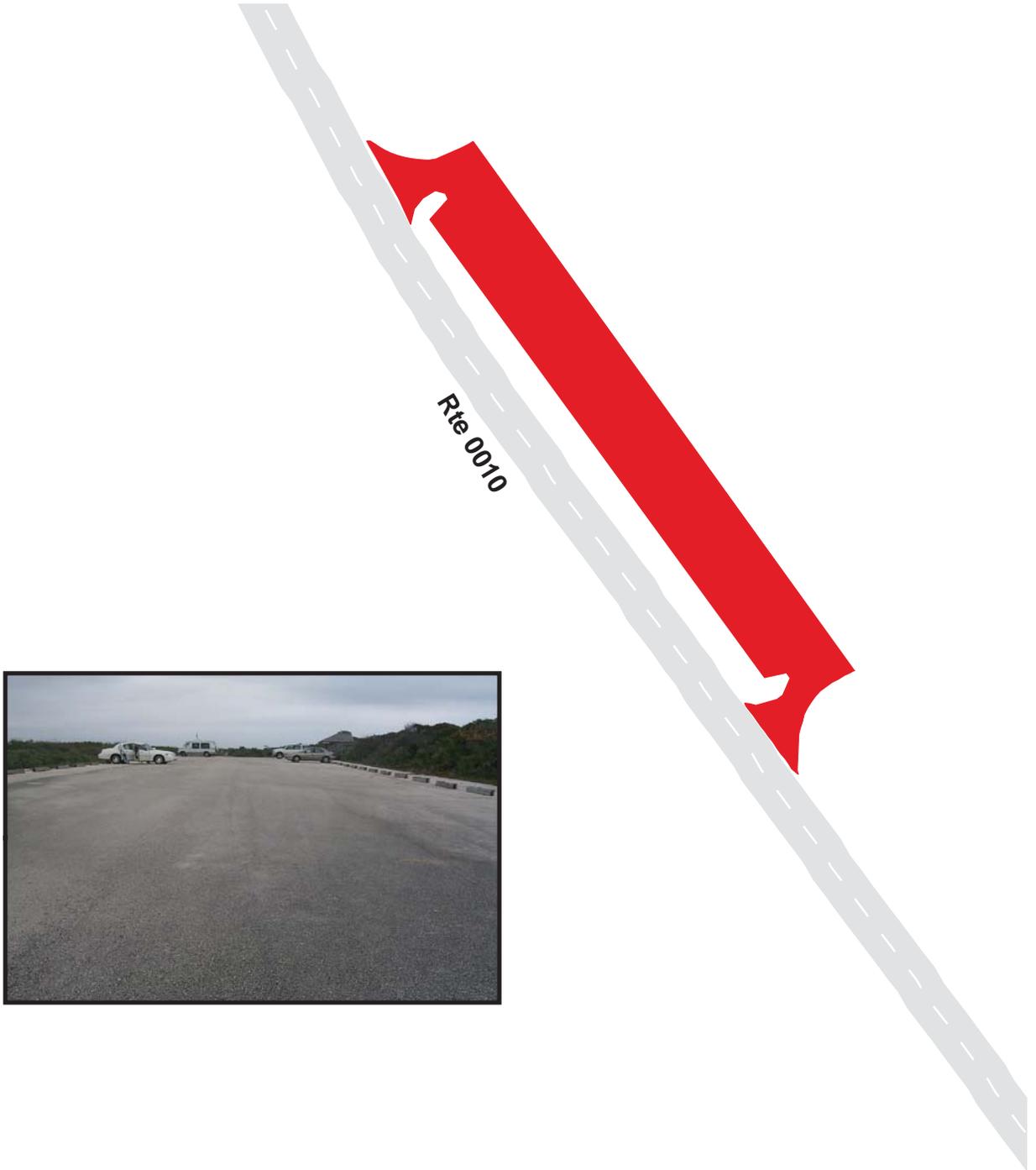
N

7-2

Canaveral National Seashore
Route 0902
Beach Parking #2
Adjacent to Route 0010 at MP 0.45

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0902	Public	2/7/2002	36304	0.63	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0010


```
200    100    0         200
                        Feet    N    7-3
```
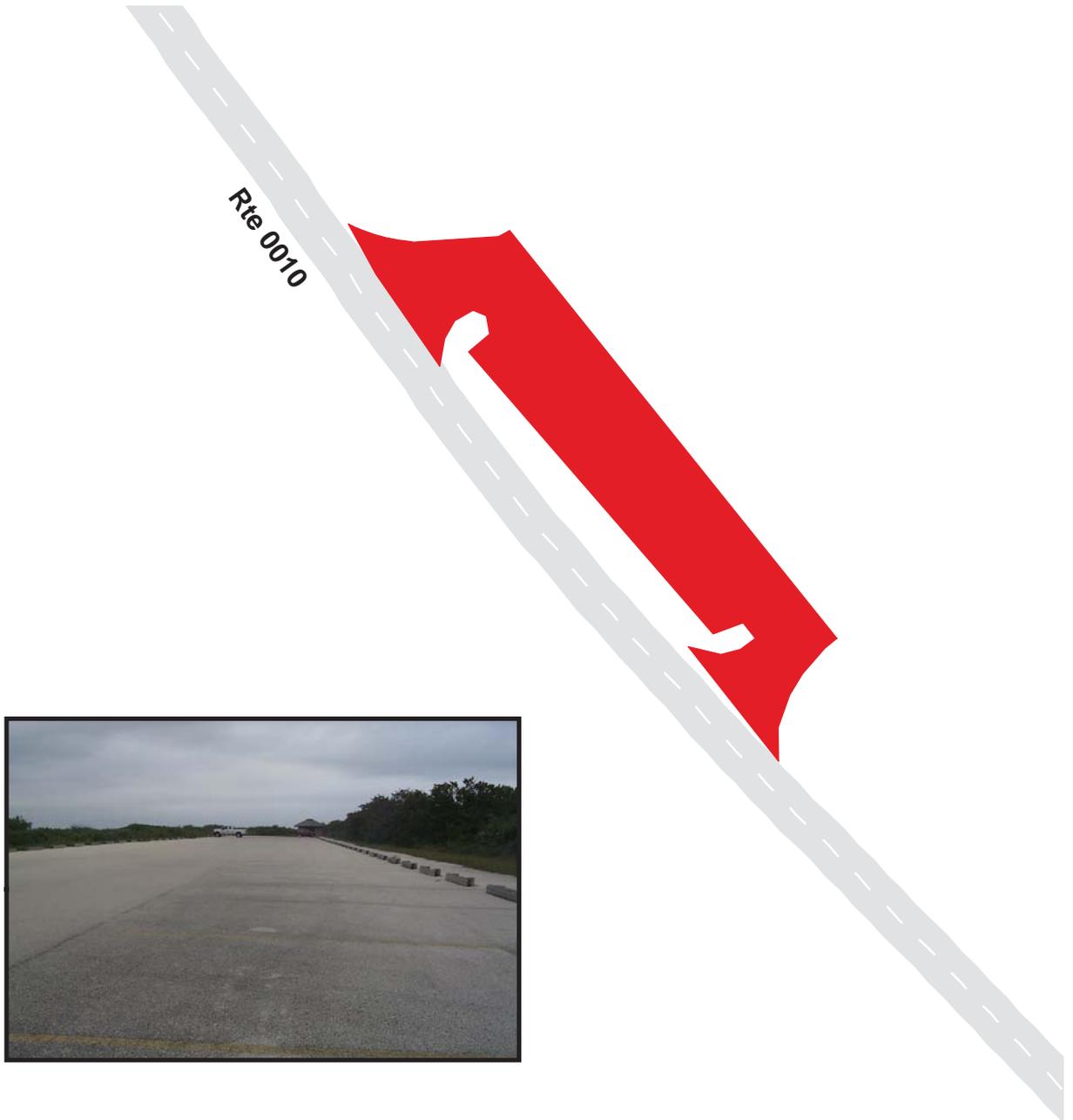
Canaveral National Seashore
Route 0903
Beach Parking #3
Adjacent to Route 0010 at MP 0.65

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903	Public	2/7/2002	31067	0.53	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0010

200   100   0   200
Feet

N

7-4

Canaveral National Seashore
Route 0904
Beach Parking #4
Adjacent to Route 0010 at MP 0.8

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0904	Public	2/7/2002	39969	0.69	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0010

200   100   0   200
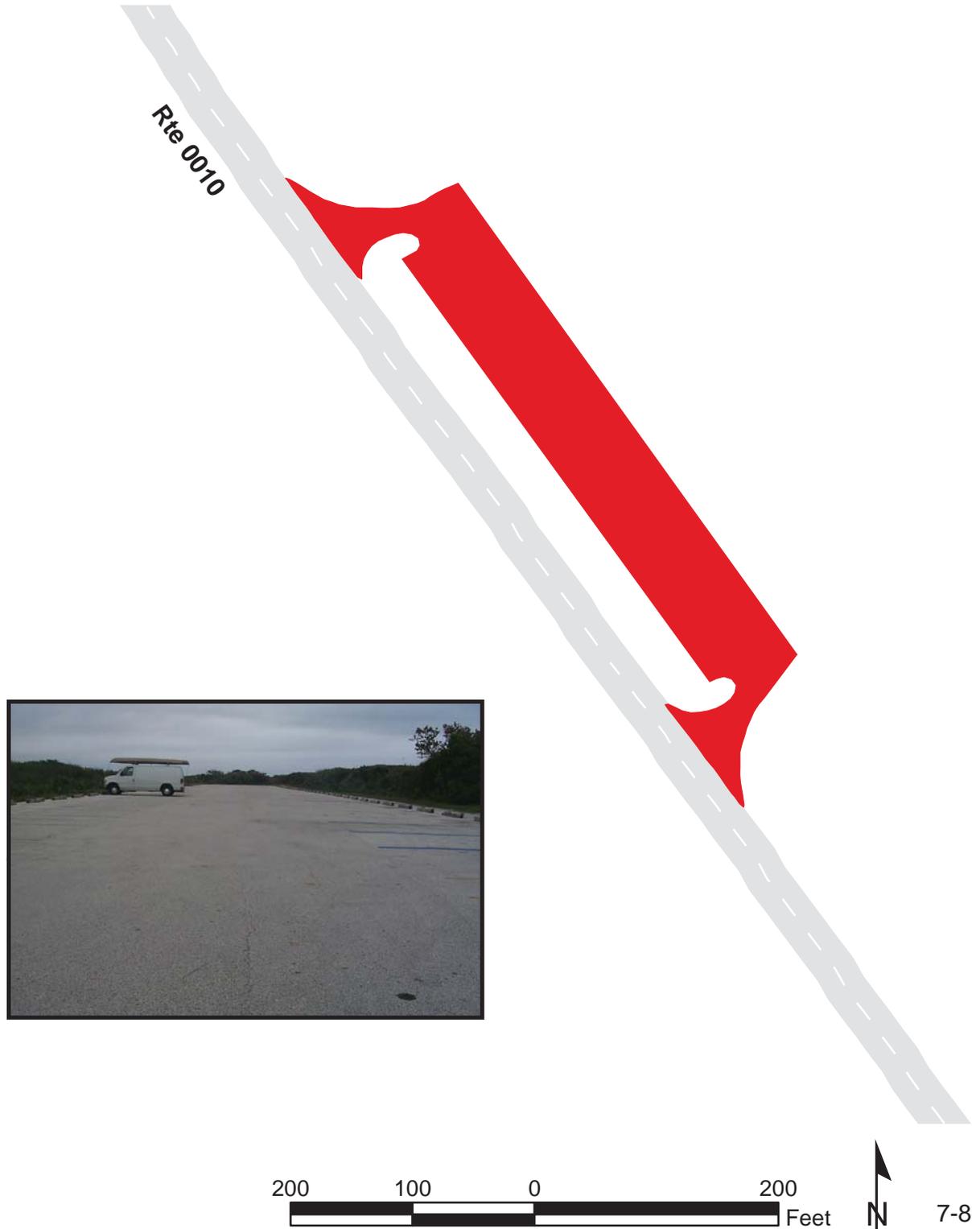Feet

N

Canaveral National Seashore
Route 0905
Beach Parking #5
Adjacent to Route 0010 at MP 1.3

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0905	Public	2/7/2002	39926	0.69	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Rte 0010

200   100   0   200
Feet

7-6

Canaveral National Seashore
Route 0906
Beach Parking #6
Adjacent to Route 0010 at MP 1.5

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0906	Public	2/7/2002	42142	0.73	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Rte 0010

200   100   0   200

Feet
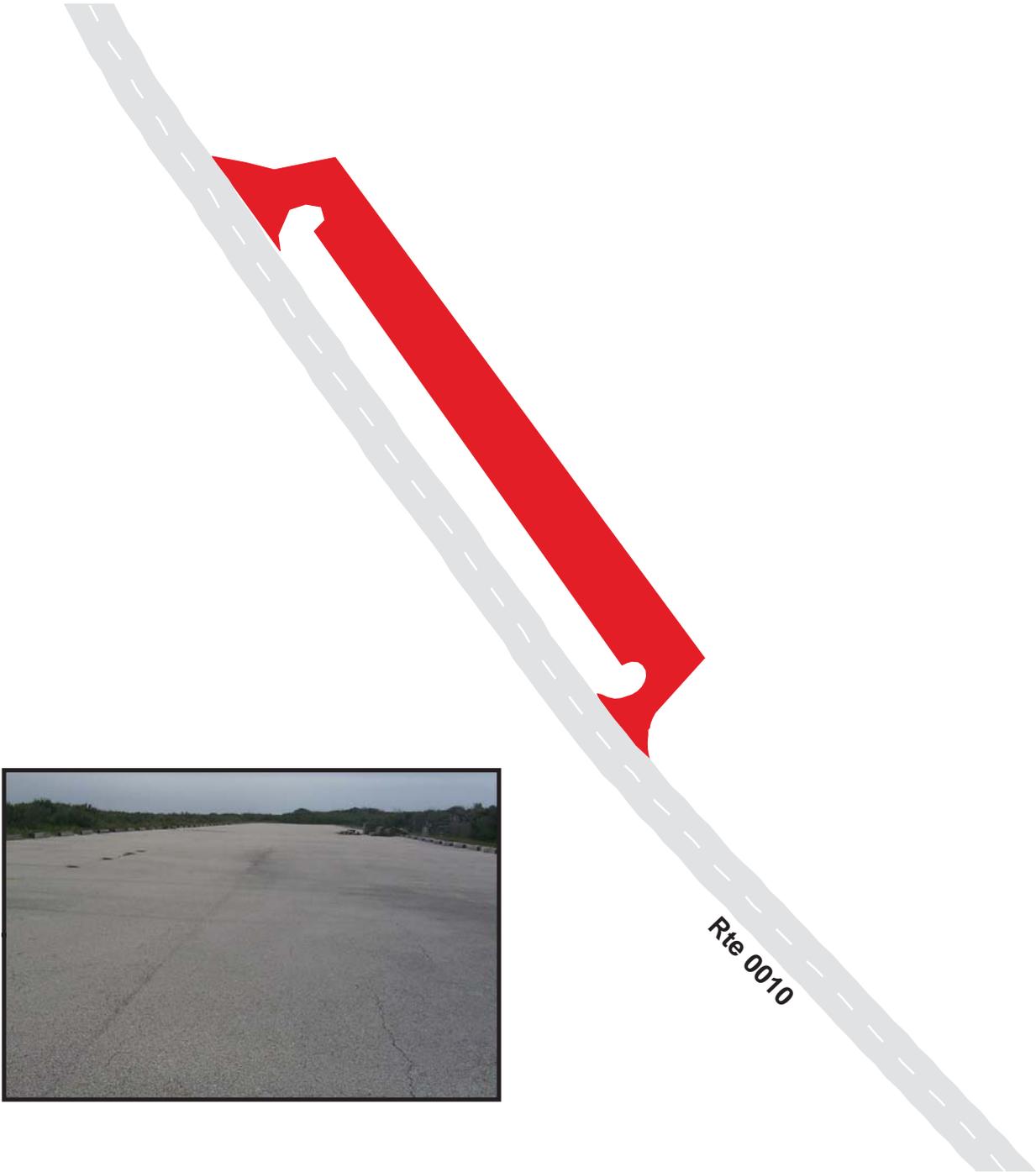
N

7-7

Canaveral National Seashore
Route 0907

Beach Parking #7
Adjacent to Route 0010 at MP 1.7

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0907	Public	2/7/2002	34681	0.60	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0010

200   100   0   200
Feet

N

7-8

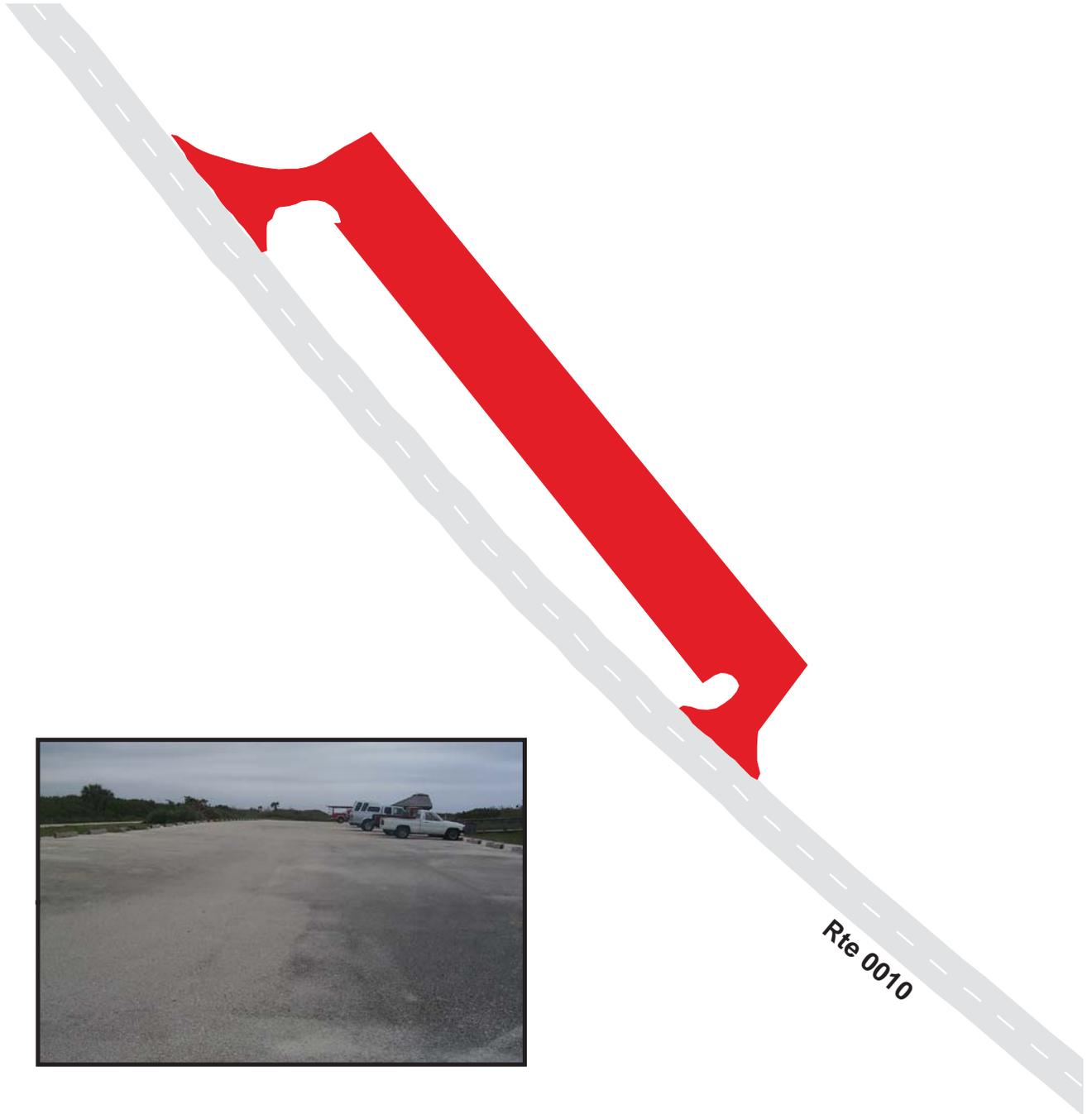# Canaveral National Seashore
Route 0908
Beach Parking #8
Adjacent to Route 0010 at MP 2.2

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0908	Public	2/7/2002	41634	0.72	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0010

200 100 0 200
Feet

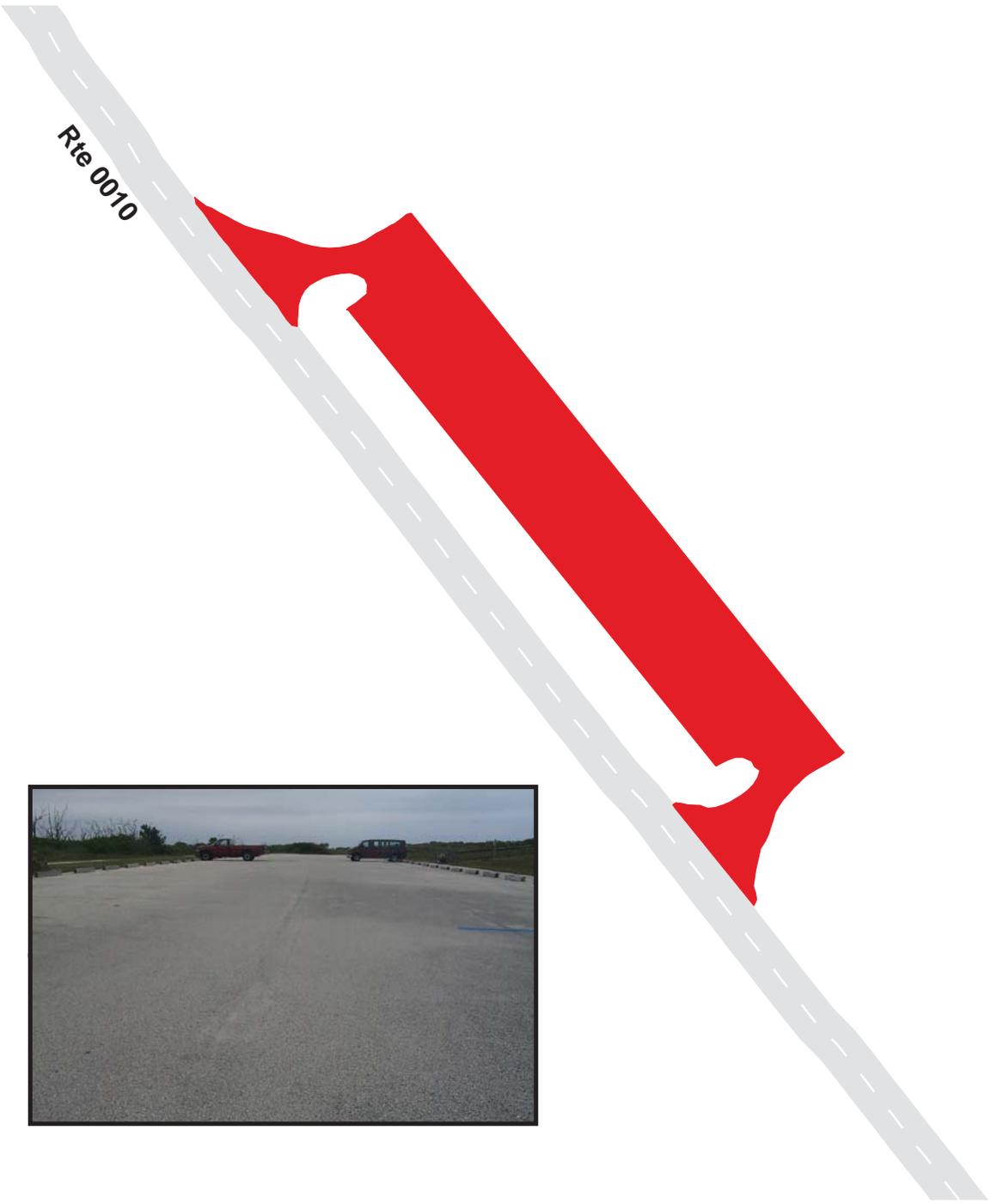N

7-9

Canaveral National Seashore
Route 0909
Beach Parking #9
Adjacent to Route 0010 at MP 2.80

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0909	Public	2/7/2002	24952	0.43	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Rte 0010

200   100   0   200
Feet

N

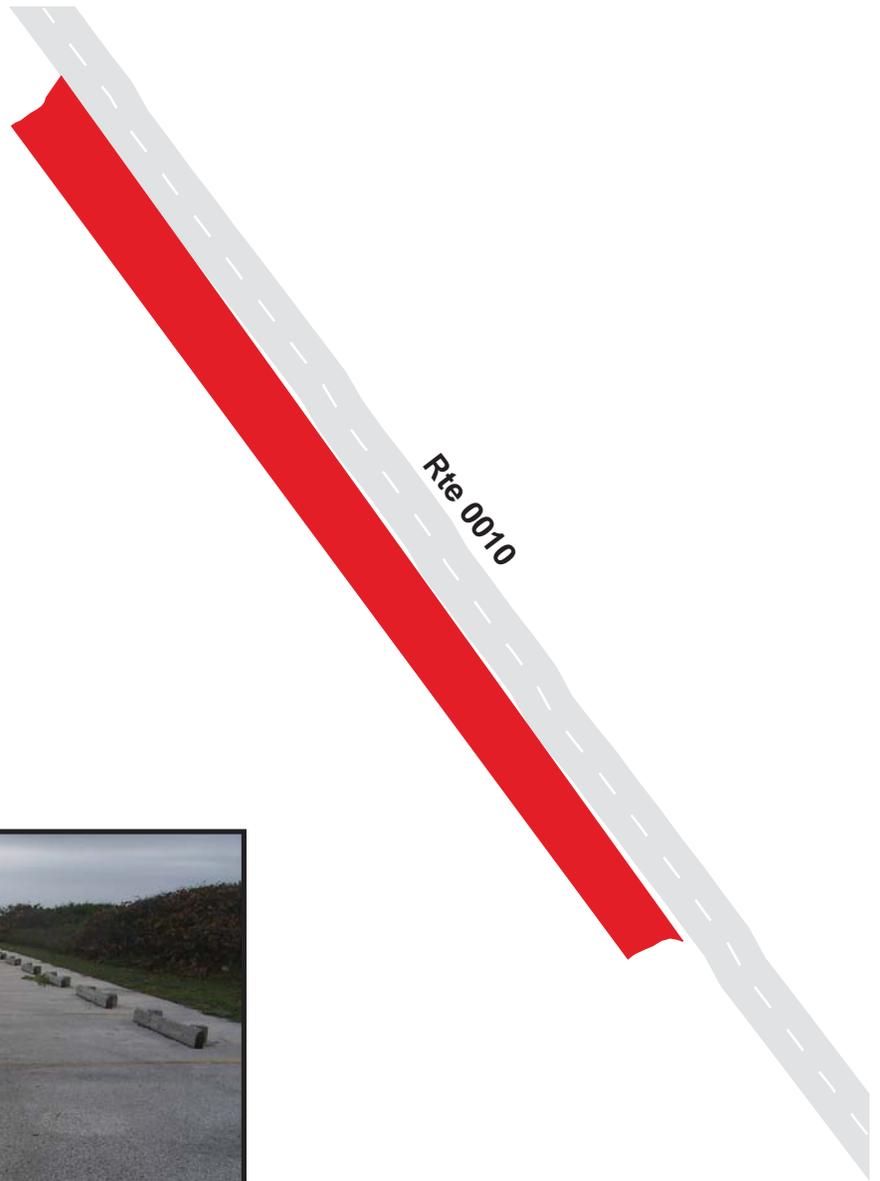7-10

Canaveral National Seashore
Route 0910
Parking #10
Adjacent to Route 0010 at MP 3.0

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0910	Public	2/7/2002	30051	0.52	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Rte 0010

150 75 0 150
Feet

N

7-11
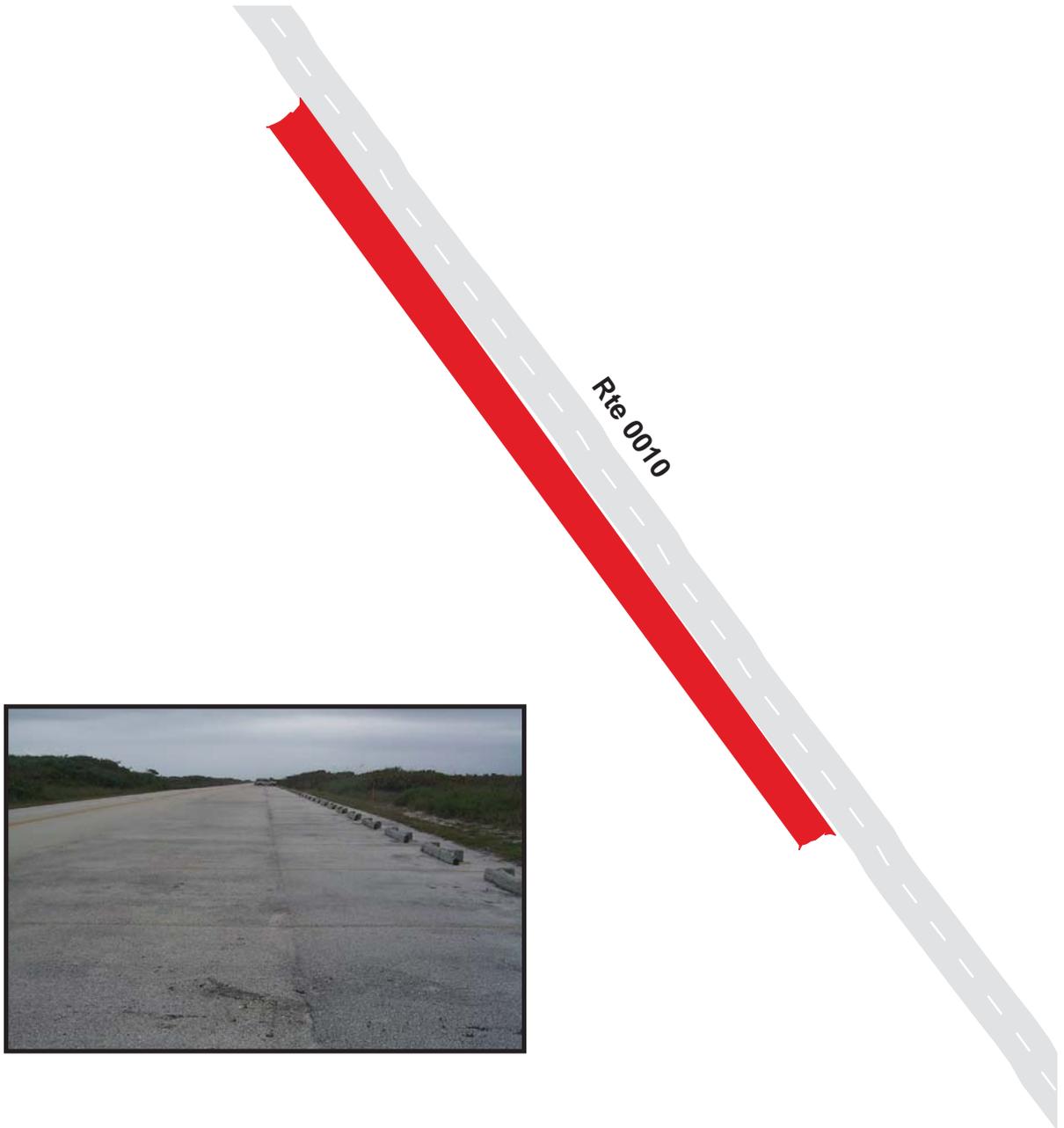
Canaveral National Seashore
Route 0911
Parking #11
Adjacent to Route 0010 at MP 3.6

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0911	Public	2/7/2002	14406	0.25	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0010

150   75   0   150
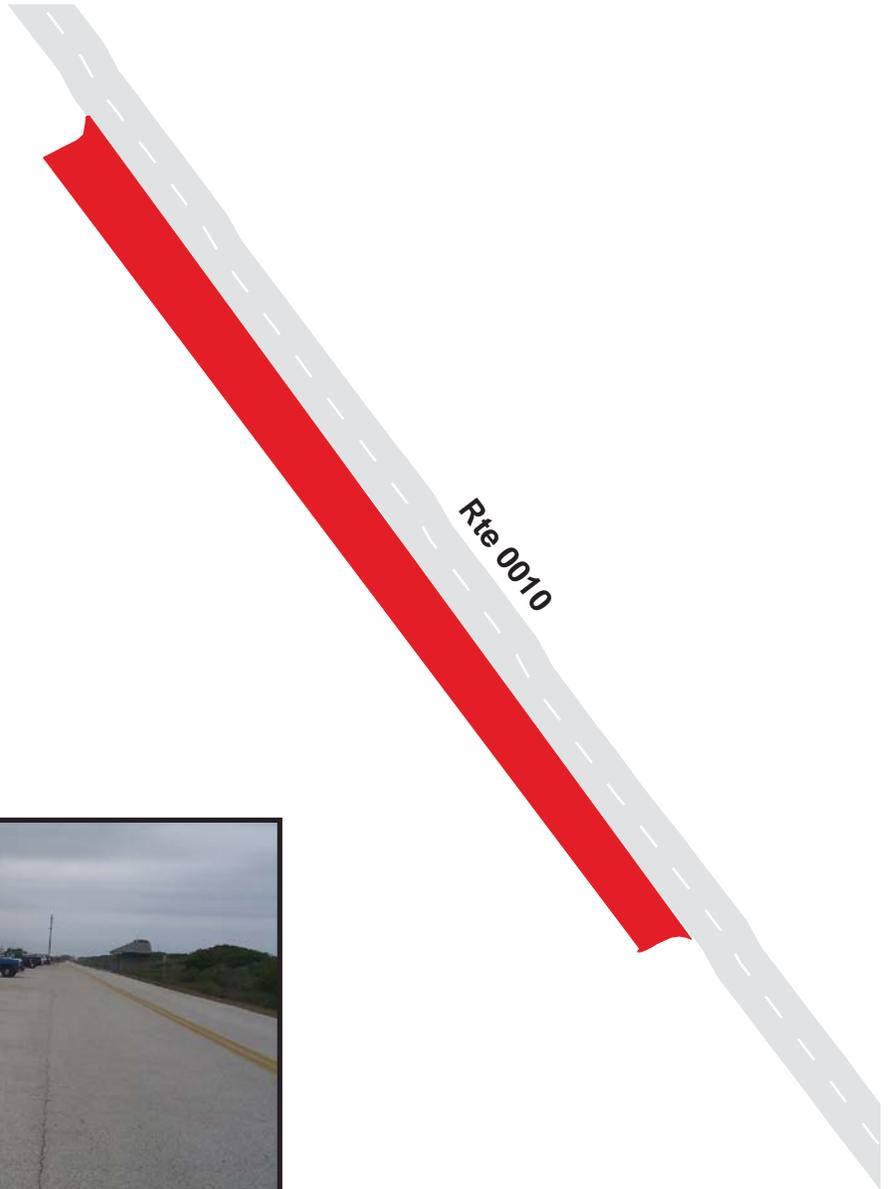Feet

N

7-12

Canaveral National Seashore
Route 0912
Parking #12
Adjacent to Route 0010 at MP 3.85

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0912	Public	2/7/2002	14734	0.25	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0010

150   75   0   150
Feet

N

Canaveral National Seashore
Route 0913

Parking #13

Adjacent to Route 0010 at MP 4.15

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0913	Public	2/7/2002	12742	0.22	AS	GOOD / 90

* Lane miles are based on 11' lane widths
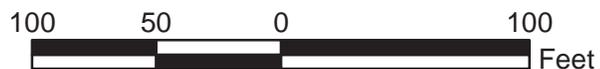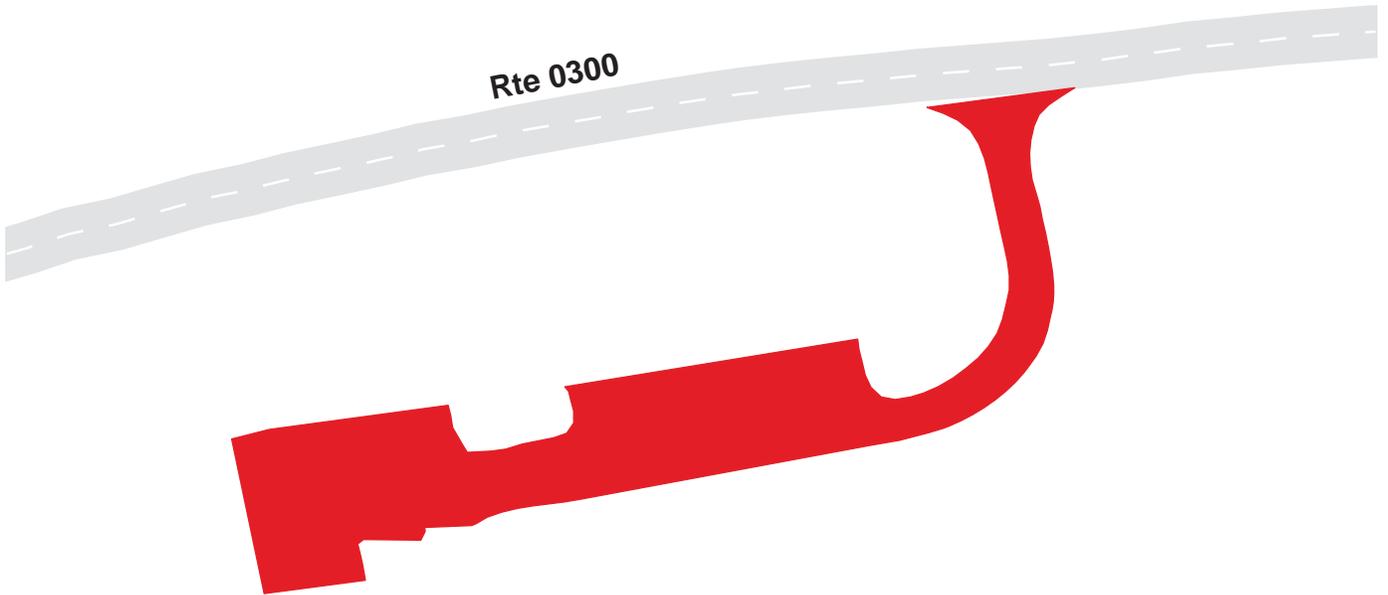
Rte 0010

150   75   0   150
Feet

N

7-14

Canaveral National Seashore
Route 0914
Ranger Station Parking
Adjacent to Route 0300 at MP 0.86 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0914	Public	2/7/2002	12932	0.22	AS	GOOD / 90

* Lane miles are based on 11' lane widths
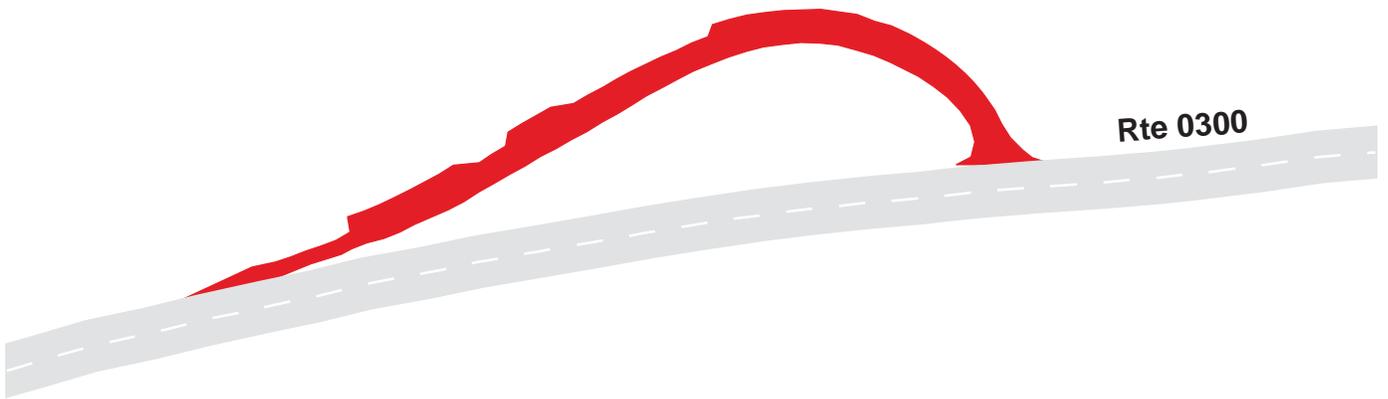
Rte 0300

100   50   0   100
Feet

N

7-15

Canaveral National Seashore
Route 0915
Contact Station RV Pullout
Adjacent to Route 0300 at MP 0.86 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0915	Public	2/7/2002	2552	0.04	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Rte 0300

100   50   0   100
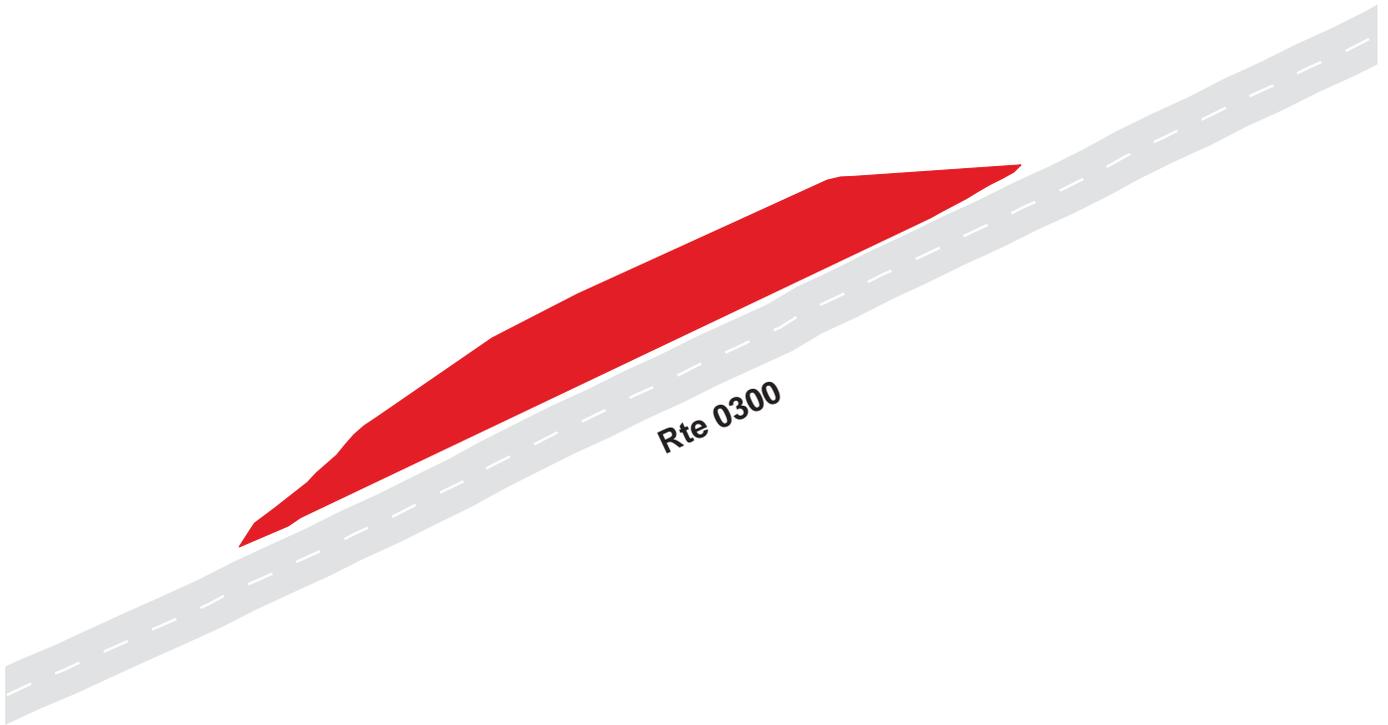Feet   N   7-16

Canaveral National Seashore
Route 0916
Turnout #1
Adjacent to Route 0300 at MP 1.2

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0916	Public	2/7/2002	9969	0.17	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Rte 0300

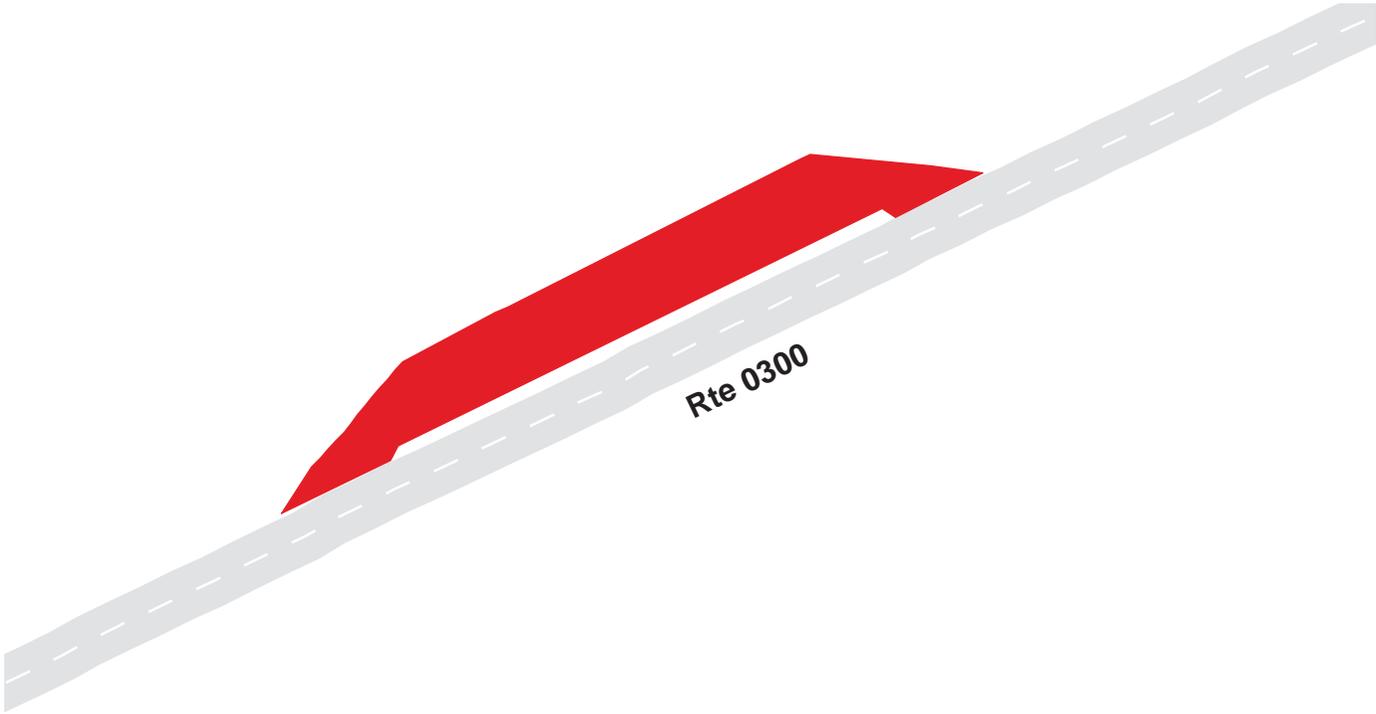100   50   0   100
Feet

N

7-17

Canaveral National Seashore
Route 0917
Turnout #2
Adjacent to Route 0300 at MP 1.9

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0917	Public	2/7/2002	12278	0.21	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Rte 0300

150   75   0   150
Feet

N

7-18

Canaveral National Seashore
Route 0918
Turnout #3
Adjacent to Route 0300 at MP 2.2

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0918	Public	2/7/2002	7853	0.14	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Rte 0300

100   50   0   100
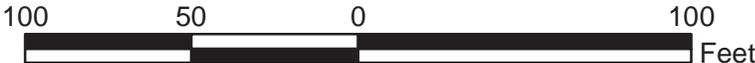Feet   N   7-19

Canaveral National Seashore
Route 0919
Turnout #4
Adjacent to Route 0300 at MP 2.4

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0919	Public	2/7/2002	6363	0.11	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Rte 0300

100   50   0   100
Feet

N

7-20

Canaveral National Seashore
Route 0920
Turnout #5
Adjacent to Route 0300 at MP 3.3

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0920	Public	2/7/2002	9647	0.17	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Rte 0300

100   50   0   100
Feet   N   7-21
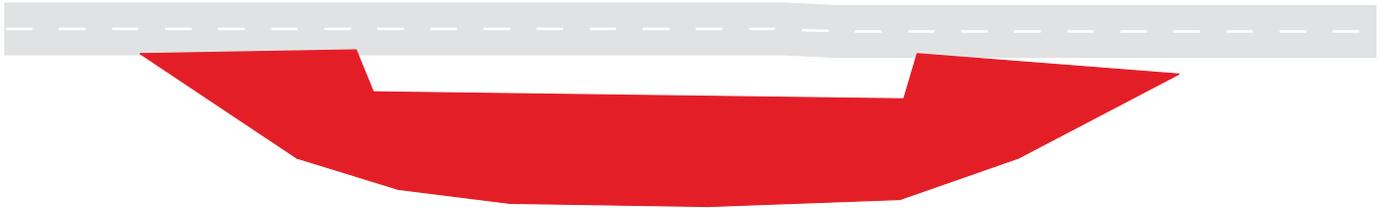
Canaveral National Seashore
Route 0921
Turnout #6

Adjacent to Route 0300 at MP 3.55

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0921	Public	2/7/2002	6301	0.11	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Rte 0300

100   50   0   100
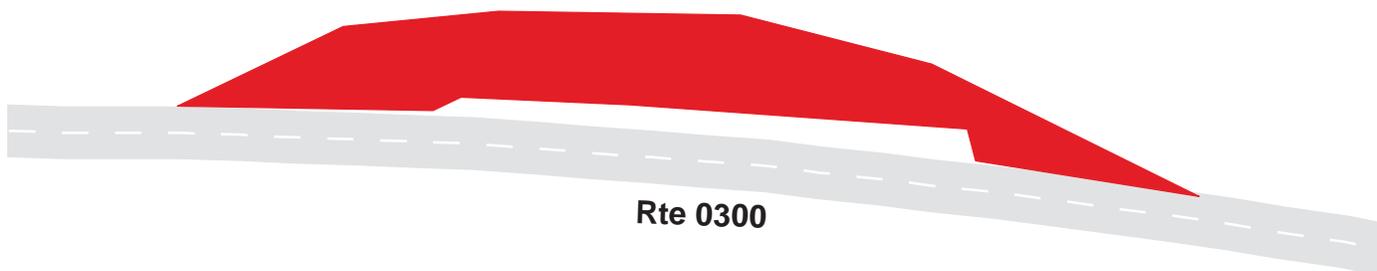Feet

7-22

Canaveral National Seashore
Route 0922
Turnout #7
Adjacent to Route 0300 at MP 3.8

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0922	Public	2/7/2002	7935	0.14	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Rte 0300

100   50   0   100
Feet

N

7-23

Canaveral National Seashore
Route 0923
Turnout #8
Adjacent to Route 0300 at MP 4.0

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0923	Public	2/7/2002	5904	0.10	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Rte 0300

100   50   0   100
Feet   N   7-24

Canaveral National Seashore
Route 0924
Beach Office Complex Parking
Near End of Route 0200

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924	Public	2/7/2002	5441	0.09	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0200

100   50   0   100 Feet

7-25
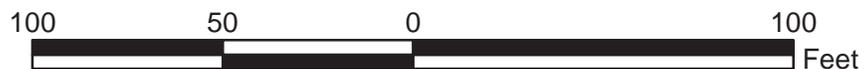
Canaveral National Seashore
Route 0931
Parking #1
Adjacent to Route 0013 at MP 0.1 on Left

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0931	Public	2/7/2002	49533	0.85	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0013

300 150 0 300
Feet

N

7-26

Canaveral National Seashore
Route 0932
Parking #2
Adjacent to Route 0013 at MP 2.30

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0932	Public	2/7/2002	12839	0.22	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0013

100   50   0   100
Feet

N

7-27

Canaveral National Seashore
Route 0933
Parking #3
Adjacent to Route 0013 at MP 3.3

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0933	Public	2/7/2002	12961	0.22	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0013

100   50   0   100
Feet

N

7-28
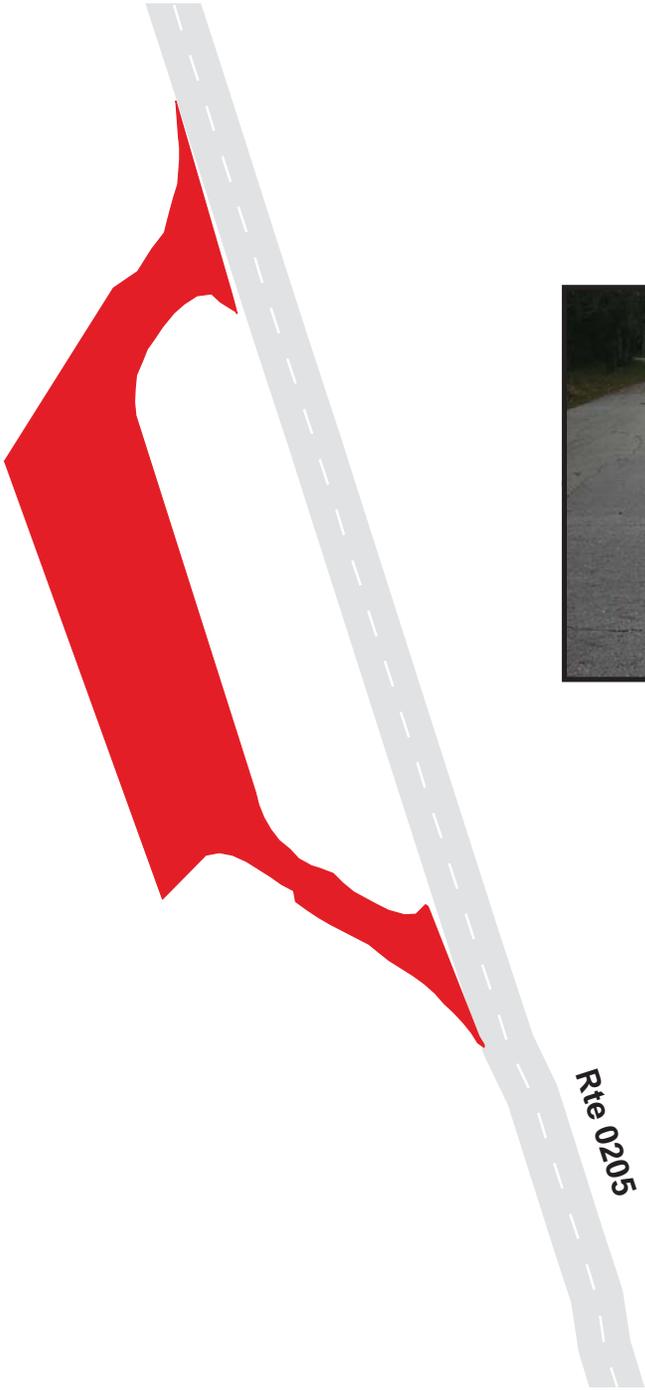
Canaveral National Seashore
Route 0934
Parking #4
Adjacent to Route 0013 at MP 4.4

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0934	Public	2/7/2002	12677	0.22	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0013

100   50   0   100
Feet

N

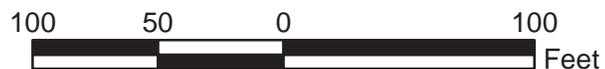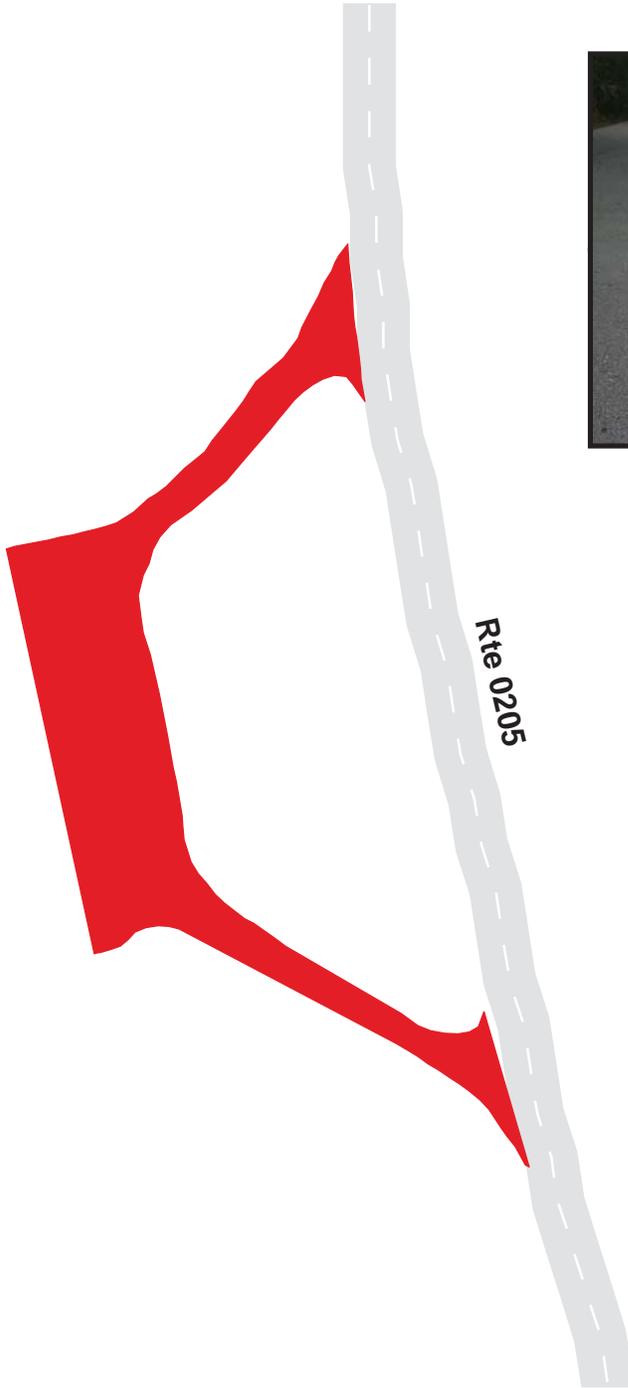7-29

Canaveral National Seashore
Route 0935
Parking #5
At End of Route 0013

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0935	Public	2/7/2002	9280	0.16	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0013

100   50   0   100
Feet

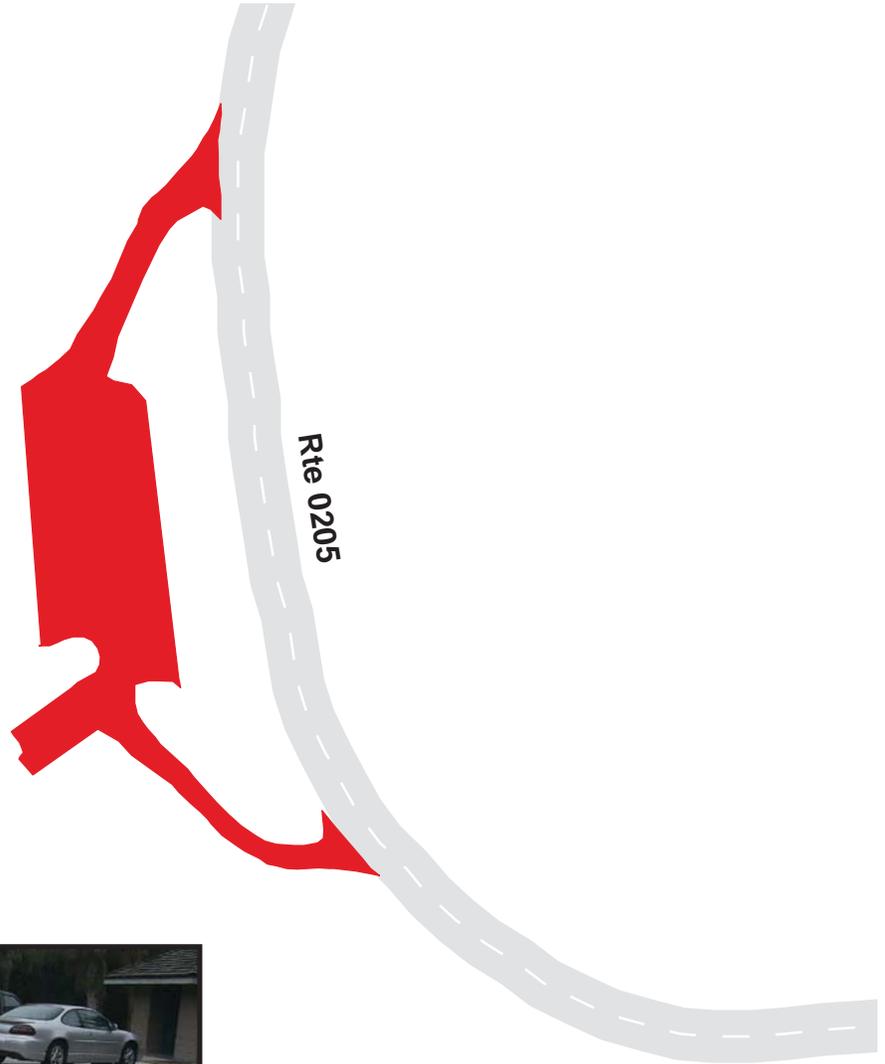N

7-30

Canaveral National Seashore
Route 0936
Parking #6

Adjacent to Route 0205 at MP 0.3

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0936	Public	2/7/2002	9330	0.16	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0205

100   50   0   100

Feet

N

7-31

Canaveral National Seashore
Route 0937

Parking #7

Adjacent to Route 0205 at MP 0.50

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0937	Public	2/7/2002	10659	0.18	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0205

100 50 0 100
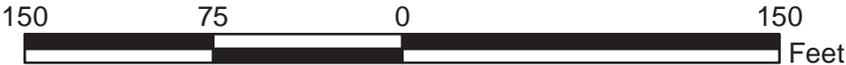Feet

N

Canaveral National Seashore
Route 0938
Parking #8
Adjacent to Route 0205 at MP 0.75

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0938	Public	2/7/2002	13557	0.23	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0205

150 75 0 150
Feet

N

7-33

Canaveral National Seashore
Route 0939
Parking #9
Adjacent to Route 0205 at MP 1.0

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0939	Public	2/7/2002	8874	0.15	AS	POOR / 45

* Lane miles are based on 11' lane widths

Rte 0205

150   75   0   150
Feet   N   7-34

Canaveral National Seashore
Route 0940
Boat Ramp Parking
Adjacent to Route 0013 at MP 0.3 on Right

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0940	Public	2/7/2002	56487	0.97	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0013

200   100   0   200
Feet

N

7-35

Canaveral National Seashore
Route 0941
Turtle Mound Parking
Adjacent to Route 0013 at MP 0.7

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0941	Public	2/7/2002	6359	0.11	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Rte 0013

100   50   0   100
Feet

N

7-36
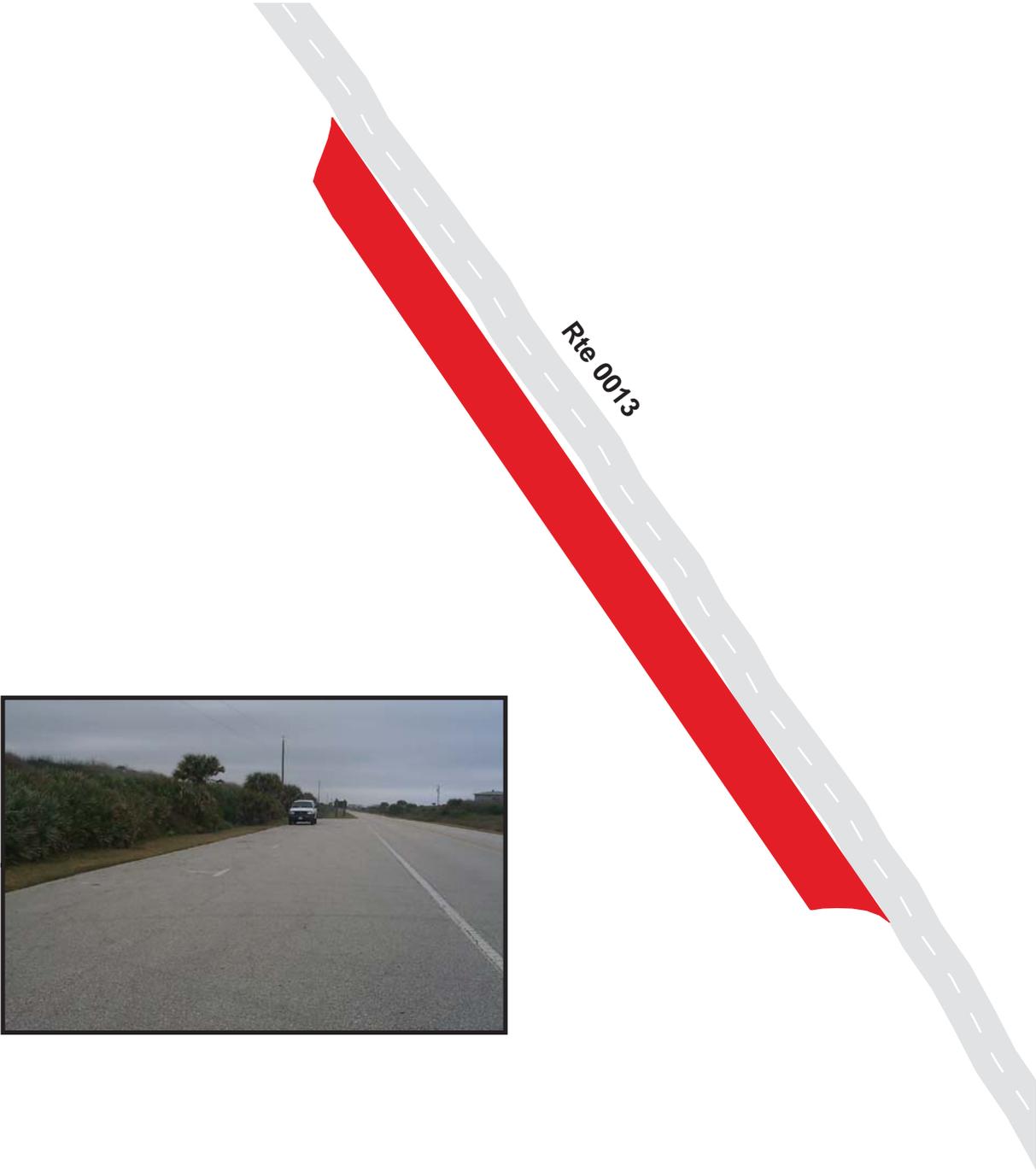
Canaveral National Seashore
Route 0942
Seminole Rest Trail Parking
Adjacent to River Road at MP 1.34 in Oak Hill

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0942	Public	2/7/2002	14872	0.26	AS	GOOD / 90

* Lane miles are based on 11' lane widths

River Road

150   75   0   150
Feet

N

7-37
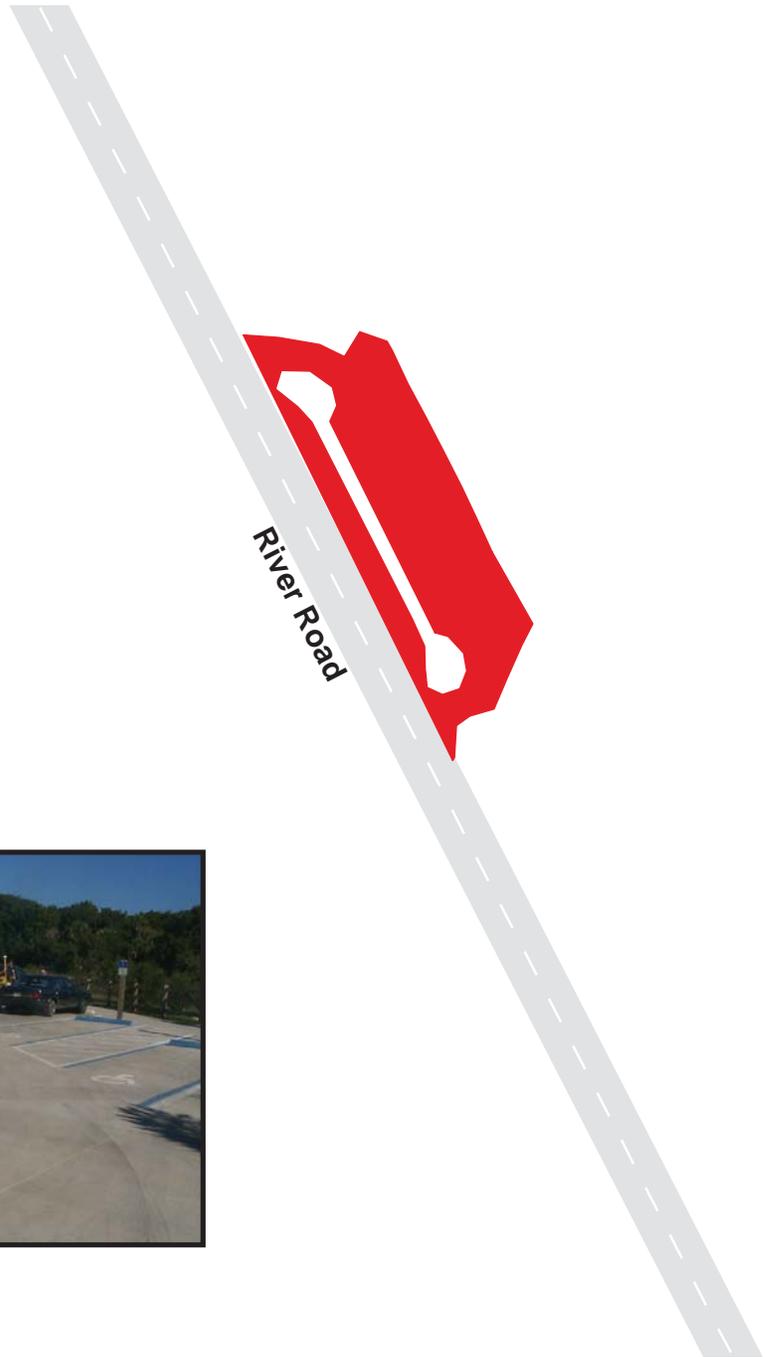
CANA: PARKWIDE MAINTENANCE FEATURES SUMMARY

FEATURE	PARK TOTAL	UNIT
BRIDGE	0	EACH
CATTLE GUARD	0	EACH
CULVERT	0	EACH
CURB	312	LINEAR FEET
DROP INLET	44	EACH
GUARD WALL	0	LINEAR FEET
GUARDRAIL	0	LINEAR FEET
INTERSECTION	92	EACH
LOW WATER CROSSING	0	EACH
OVERHEAD SIGN	0	EACH
PARK BOUNDARY	0	EACH
PAVED DITCH	0	LINEAR FEET
PULLOUT	0	EACH
RAILROAD CROSSING	5	EACH
RETAINING WALL	0	EACH
STATE BOUNDARY	0	EACH
TRAFFIC LIGHT	1	EACH
TUNNEL	0	EACH
TURNOUT	0	LINEAR FEET

CANA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0010 PLAYALINDA BEACH ROAD	ROUTE 0013 APOLLO BEACH ROAD	ROUTE 0200 BEACH OFFICE COMPLEX	ROUTE 0205 EL DORA LOOP ROAD	ROUTE 0300 PLAYALINDA ACCESS ROAD	UNIT
BRIDGE	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	EACH
CURB	0	37	0	0	275	LINEAR FEET
DROP INLET	0	0	0	0	44	EACH
GUARD WALL	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	LINEAR FEET
INTERSECTION	29	23	3	13	24	EACH
LOW WATER CROSSING	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	5	EACH
RETAINING WALL	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	1	EACH
TUNNEL	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	LINEAR FEET

CANA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010   : PLAYALINDA BEACH ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 300
0.006	0.006	INTERSECTION	RIGHT	
0.250	0.250	INTERSECTION	RIGHT	RTE 901 BEACH PARKING #1
0.353	0.353	INTERSECTION	RIGHT	RTE 901 BEACH PARKING #1
0.422	0.422	INTERSECTION	RIGHT	RTE 902 BEACH PARKING #2
0.503	0.503	INTERSECTION	RIGHT	RTE 902 BEACH PARKING #2
0.596	0.596	INTERSECTION	RIGHT	RTE 903 BEACH PARKING #3
0.680	0.680	INTERSECTION	RIGHT	RTE 903 BEACH PARKING #3
0.744	0.744	INTERSECTION	RIGHT	RTE 904 BEACH PARKING #4
0.856	0.856	INTERSECTION	RIGHT	RTE 904 BEACH PARKING #4
0.996	0.996	INTERSECTION	LEFT	
1.042	1.042	INTERSECTION	LEFT	
1.224	1.224	INTERSECTION	RIGHT	RTE 905 BEACH PARKING #5
1.316	1.316	INTERSECTION	RIGHT	RTE 905 BEACH PARKING #5
1.410	1.410	INTERSECTION	RIGHT	RTE 906 BEACH PARKING #6
1.509	1.509	INTERSECTION	RIGHT	RTE 906 BEACH PARKING #6
1.624	1.624	INTERSECTION	RIGHT	RTE 907 BEACH PARKING #7
1.721	1.721	INTERSECTION	RIGHT	RTE 907 BEACH PARKING #7
2.003	2.003	INTERSECTION	LEFT	RTE 201 EDDY CREEK ACCESS
2.134	2.134	INTERSECTION	RIGHT	RTE 908 BEACH PARKING #8
2.262	2.262	INTERSECTION	RIGHT	RTE 908 BEACH PARKING #8
2.788	2.788	INTERSECTION	RIGHT	RTE 909 BEACH PARKING #9
2.870	2.870	INTERSECTION	RIGHT	RTE 909 BEACH PARKING #9
3.007	3.007	INTERSECTION	RIGHT	RTE 910 PARKING #10
3.091	3.091	INTERSECTION	RIGHT	RTE 910 PARKING #10
3.550	3.550	INTERSECTION	LEFT	RTE 911 PARKING #11
3.822	3.822	INTERSECTION	LEFT	RTE 912 PARKING #12

CANA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE   0010   : PLAYALINDA BEACH ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
4.153	4.153	INTERSECTION	LEFT	RTE 913 PARKING #13
4.204	4.204	INTERSECTION	LEFT	
4.230	4.230			ROUTE ENDS AT END
4.231	4.231	INTERSECTION	LEFT	

CANA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013   : APOLLO BEACH ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT SR A1A
0.079	0.079	INTERSECTION	LEFT	RTE 931 PARKING #1
0.170	0.177	CURB	LEFT	
0.268	0.268	INTERSECTION	LEFT	RTE 931 PARKING #1
0.274	0.274	INTERSECTION	RIGHT	RTE 940 BOAT RAMP PARKING
0.336	0.336	INTERSECTION	RIGHT	
0.611	0.611	INTERSECTION	LEFT	
0.699	0.699	INTERSECTION	RIGHT	
0.873	0.873	INTERSECTION	RIGHT	
0.903	0.903	INTERSECTION	RIGHT	RTE 941 TURTLE MOUND PARKING
0.905	0.905	INTERSECTION	LEFT	
1.548	1.548	INTERSECTION	RIGHT	RTE 205 EL DORA LOOP ROAD
2.233	2.233	INTERSECTION	LEFT	RTE 932 PARKING #2
2.280	2.280	INTERSECTION	LEFT	RTE 932 PARKING #2
2.388	2.388	INTERSECTION	RIGHT	RTE 205 EL DORA LOOP ROAD
3.244	3.244	INTERSECTION	LEFT	RTE 933 PARKING #3
3.284	3.284	INTERSECTION	LEFT	RTE 933 PARKING #3
4.313	4.313	INTERSECTION	LEFT	RTE 934 PARKING #4
4.353	4.353	INTERSECTION	LEFT	RTE 934 PARKING #4
6.455	6.455	INTERSECTION	LEFT	
6.466	6.466	INTERSECTION	RIGHT	
6.489	6.489	INTERSECTION	RIGHT	
6.491	6.491	INTERSECTION	LEFT	
6.508	6.508	INTERSECTION	LEFT	
6.560	6.560			ROUTE ENDS AT END OF LOOP
6.560	6.560	INTERSECTION	RIGHT	END AT RTE 935 PARKING #5

CANA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0200 : BEACH OFFICE COMPLEX

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 10
0.632	0.632	INTERSECTION	RIGHT	RTE 924 BEACH OFFICE COMPLEX PARKING
0.665	0.665	INTERSECTION	LEFT	END AT END
0.666	0.666	INTERSECTION	RIGHT	END AT END
0.670	0.670			ROUTE ENDS AT END

CANA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0205 : EL DORA LOOP ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 13 N
0.010	0.010	INTERSECTION	LEFT	BEGIN AT RTE 013 APOLLO BEACH ROAD
0.285	0.285	INTERSECTION	RIGHT	RTE 936 PARKING #6
0.336	0.336	INTERSECTION	RIGHT	RTE 936 PARKING #6
0.496	0.496	INTERSECTION	RIGHT	RTE 937 PARKING #7
0.554	0.554	INTERSECTION	RIGHT	RTE 937 PARKING #7
0.688	0.688	INTERSECTION	RIGHT	RTE 938 PARKING #8
0.705	0.705	INTERSECTION	RIGHT	RTE 938 PARKING #8
0.773	0.773	INTERSECTION	RIGHT	UNPAVED ROAD
0.798	0.798	INTERSECTION	RIGHT	UNPAVED ROAD
0.919	0.919	INTERSECTION	RIGHT	RTE 939 PARKING #9
0.974	0.974	INTERSECTION	RIGHT	RTE 939 PARKING #9
1.209	1.209	INTERSECTION	LEFT	END AT RTE 013 APOLLO BEACH ROAD
1.210	1.210			ROUTE ENDS AT RTE 13 S
1.211	1.211	INTERSECTION	RIGHT	END AT RTE 013 APOLLO BEACH ROAD

CANA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0300 : PLAYALINDA ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT SR 3
0.012	0.012	INTERSECTION	LEFT	
0.012	0.012	INTERSECTION	RIGHT	
0.012	0.021	CURB	RIGHT	
0.012	0.055	CURB	LEFT	
0.023	0.023	INTERSECTION	RIGHT	
0.024	0.024	TRAFFIC LIGHT	RIGHT	
0.093	0.093	RAILROAD CROSSING	RIGHT	
0.653	0.653	INTERSECTION	RIGHT	RTE 900 PLAYALINDA ENTRANCE PARKING
0.718	0.718	RAILROAD CROSSING	RIGHT	
0.852	0.852	INTERSECTION	LEFT	
0.855	0.855	INTERSECTION	RIGHT	RTE 914 RANGER STATION PARKING
1.181	1.181	INTERSECTION	LEFT	RTE 916
1.239	1.239	INTERSECTION	LEFT	RTE 916
1.721	1.721	DROP INLET	RIGHT	
1.795	1.795	DROP INLET	RIGHT	
1.843	1.843	INTERSECTION	LEFT	RTE 917
1.899	1.899	INTERSECTION	LEFT	RTE 917
1.911	1.911	DROP INLET	LEFT	
1.913	1.913	DROP INLET	RIGHT	
1.984	1.984	DROP INLET	RIGHT	
2.095	2.095	DROP INLET	RIGHT	
2.129	2.129	INTERSECTION	LEFT	RTE 918
2.172	2.172	DROP INLET	RIGHT	
2.183	2.183	INTERSECTION	LEFT	RTE 918
2.236	2.236	INTERSECTION	LEFT	RTE 919

CANA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0300 : PLAYALINDA ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
2.291	2.291	DROP INLET	RIGHT	
2.336	2.336	DROP INLET	RIGHT	
2.354	2.354	INTERSECTION	RIGHT	RTE 920
2.385	2.385	DROP INLET	LEFT	
2.391	2.391	INTERSECTION	RIGHT	RTE 920
2.424	2.424	DROP INLET	RIGHT	
2.450	2.450	DROP INLET	LEFT	
2.532	2.532	DROP INLET	RIGHT	
2.646	2.646	DROP INLET	LEFT	
2.660	2.660	DROP INLET	RIGHT	
2.724	2.724	DROP INLET	LEFT	
2.740	2.740	DROP INLET	RIGHT	
2.832	2.832	DROP INLET	LEFT	
2.852	2.852	DROP INLET	RIGHT	
2.928	2.928	DROP INLET	RIGHT	
3.021	3.021	DROP INLET	LEFT	
3.044	3.044	DROP INLET	RIGHT	
3.096	3.096	DROP INLET	LEFT	
3.117	3.117	DROP INLET	RIGHT	
3.167	3.167	DROP INLET	LEFT	
3.188	3.188	DROP INLET	RIGHT	
3.241	3.241	DROP INLET	LEFT	
3.245	3.245	DROP INLET	RIGHT	
3.282	3.282	INTERSECTION	RIGHT	RTE 921
3.316	3.316	INTERSECTION	RIGHT	RTE 921
3.382	3.382	DROP INLET	RIGHT	
3.474	3.474	DROP INLET	LEFT	

CANA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0300   : PLAYALINDA ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
3.476	3.476	DROP INLET	RIGHT	
3.534	3.534	INTERSECTION	LEFT	RTE 922
3.574	3.574	INTERSECTION	LEFT	RTE 922
3.611	3.611	DROP INLET	LEFT	
3.614	3.614	DROP INLET	RIGHT	
3.686	3.686	DROP INLET	LEFT	
3.737	3.737	DROP INLET	RIGHT	
3.776	3.776	DROP INLET	RIGHT	
3.780	3.780	DROP INLET	LEFT	
3.814	3.814	INTERSECTION	RIGHT	RTE 923
3.852	3.852	INTERSECTION	RIGHT	RTE 923
3.856	3.856	DROP INLET	LEFT	
3.875	3.875	DROP INLET	RIGHT	
3.992	3.992	DROP INLET	RIGHT	
3.994	3.994	INTERSECTION	LEFT	
4.026	4.026	INTERSECTION	LEFT	
4.048	4.048	DROP INLET	LEFT	
4.089	4.089	DROP INLET	RIGHT	
4.143	4.143	DROP INLET	LEFT	
4.165	4.165	DROP INLET	RIGHT	
4.210	4.210			ROUTE ENDS AT RTE 010
4.213	4.213	INTERSECTION	RIGHT	

APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
5180	Numeric Code for Canaveral National Seashore
AADT	Annually Adjusted Daily Traffic. Average daily traffic adjusted for the term period comprising 80% of annual visitation
CANA	Alpha Code for Canaveral National Seashore
CRS	Condition Rating Sheets. (Section 5)
Drainage Condition Rating	A visual rating (Good, Poor) of the drainage condition. (see Section 10)
Excellent	Excellent rating with an index value of 95 or greater
Fair	Fair rating with an index value between 61 and 84
Func. Class	Functional Classification (see Route ID, Section 4)
Good	Good rating with an index value between 85 and 94
IRI	International Roughness Index
Lane Width	Distance from road centerline to fogline, or from centerline to edge-of-pavement when no fogline exists
MRR	Manually Rated Route
NA	Not Applicable
NC	Not Collected
Paved Width	Distance from edge-of-pavement to edge-of-pavement
PCR	Pavement Condition Rating (see Section 10)

Poor	Poor Rating with an index value of 60 or less
RCI	Roughness Condition Index
SADT	Seasonal Annual Daily Traffic. Average daily traffic for the total defined "season"
SCR	Surface Condition Rating (see Section 10)
Shoulder Condition Rating	Visual rating (Good, Poor) of the condition of shoulder. (see Section 10)
Shoulder Width	Distance from fogline to hinge point, or if no fogline, from edge-of-pavement to hinge point

APPENDIX B: DESCRIPTION OF RATING SYSTEM

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

Data is collected on the following distresses and conditions:

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

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

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

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

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

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

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

Rating Index Formulas

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

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

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

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

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

Parking Lot and Manually Rated Road Condition Rating

Surface Condition Distresses- Chip Seal:
Raveling – loss of surface rock chips revealing previous surface
Bleeding – asphalt or tar is bleeding through to the surface where surface looks slick with asphalt
Rutting
Potholes/Patching

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

Surface Condition - Asphalt:
Cracking of any type
Rutting
Potholes/Patching

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

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

Excellent   97

Good   90

Fair   73

Poor   45

Drainage Condition Rating Definitions

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

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

Drainage Condition Rating Criteria

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

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

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

Shoulder Condition Rating Definitions

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

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

<u>**Shoulder Rating Criteria**</u>

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

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

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

APPENDIX C: DIGITAL IMAGE INFORMATION

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

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

APPENDIX D: METADATA

ARAN ROUTE GPS DATA

Background information of route spatial data.

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

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

Accuracy: Expected ground accuracy is 1 meter *

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

Geographic Datum: WGS 1984

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

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

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

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

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

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

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

<u>**Specific Caveats**</u>

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

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

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

Key to Notes in Tables

(1): Note that only one value fits in field, so even if this value varies throughout the route, only one value is recorded here.

(2): Note that some MP values listed here are estimates recorded during the Route ID process for use by the data collection crew (e.g. "FROM ROUTE 0010 AT MILEPOST 30.3"). They are estimates only and are not expected to match the more accurate milepost values included elsewhere in the database in the BEG_MP, END_MP, and MP fields.

(3): Mileage is measured by the ARAN (Automatic Road ANalyzer) data collection vehicle out to the 0.001 decimal place. The DMI (distance measuring instrument) is very accurate, with extremely slight variations in measurement due to air temperature, tire inflation, curves, hills, and equipment calibration.

(4): Features are measured differently depending on whether they are visible in the forward-facing video of the roadway, but every feature milepost measurement depends on the baseline measurement of the data collection vehicle's mileage. The ARAN (Automatic Road ANalyzer) data collection vehicle's mileage is measured by the DMI (distance measuring instrument) out to the 0.001 decimal place. The DMI is very accurate, with extremely slight variations in measurement due to air temperature, tire inflation, curves, hills, and equipment calibration. If a feature will not be visible in the forward-facing video, its milepost is determined by the data collectors' key press tagging the milepost when the ARAN passes the feature. Key presses are entered into the ARAN software when the vehicle travels typically between 15 and 45 miles/hour, so a delay of a single second as the vehicle passes a feature would result in an inaccuracy of 0.004 miles (22 feet) to 0.012 miles (66 feet). If a feature is visible in the video, its milepost is determined during post-processing using a video measurement software called Surveyor. Features along the side of a roadway that are measured using the Surveyor software might not be located very accurately. Surveyor is known to be most accurate when measuring quantities near the center of the video frame, as opposed to in the edges of the video image.

(5): Only signs are evaluated for condition. No other features' conditions are assessed, so "N/A" was originally intended to be the default value for unassessed features. However, some non-sign features do have condition ratings in the database. These are not accurate, because no assessment was ever done on non-sign features.

(6): Condition assessments are not conducted on concrete (CO) surface types. Perfect values for concrete road sections are default values and do not represent a condition assessment of the concrete surfaces.

(7): Roadway cracking presence, type, severity, and extent are determined by filming the roadway in the primary lane continuously with two overlapping analog cameras of 640 x 480 resolution. The images from both cameras are stitched together in real time to create a continuous strip image of the roadway pavement in the primary lane. Cracks 3 mm or greater in width are visible in this video. A semi-automatic process running the WiseCrax software with additional input by human operators provides the cracking quantities recorded in these database fields. Quality checks have determined that a consistent 80% or better of the visible cracks are recorded.

Access Database Metadata

Master Table Metadata:

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

PMS_ Feature Table Metadata:

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

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

PMS_20, PMS_Mile & PMS_Visidata Tables Metadata:

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

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

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

Cycle Shapefile Metadata

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

All shapefiles have the following spatial characteristics:

> *Geographic_Coordinate_Units:* Decimal degrees
> *Spheroid:* WGS 1984

cana_seg

Metadata also available as

Metadata:

- Identification_Information
- Data_Quality_Information
- Spatial_Data_Organization_Information
- Spatial_Reference_Information
- Entity_and_Attribute_Information
- Distribution_Information
- Metadata_Reference_Information

Identification_Information:
    Citation:
        Citation_Information:
            Originator: The TSR Group
            Publication_Date: 2005
            Title: cana_seg
            Geospatial_Data_Presentation_Form: vector digital data
            Online_Linkage: Not Available
    Description:
        Abstract: Routes
        Purpose: Road Inventory Program
        Supplemental_Information:
            Data created by The TSR Group from GPS coordinates provided in the PMS_20
            table. The shapefile is processed to aggregate adjacent segments with the same PCR
            rating.
    Time_Period_of_Content:
        Time_Period_Information:
            Single_Date/Time:
                Calendar_Date: 2005
        Currentness_Reference: ground condition
    Status:
        Progress: Complete
        Maintenance_and_Update_Frequency: As per RIP cycle
    Spatial_Domain:
        Bounding_Coordinates:
            West_Bounding_Coordinate: -80.831779
            East_Bounding_Coordinate: -80.624367
            North_Bounding_Coordinate: 28.938786
            South_Bounding_Coordinate: 28.643003
    Keywords:
        Theme:
            Theme_Keyword_Thesaurus: CANA
            Theme_Keyword: CANA

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

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

Spatial_Data_Organization_Information:
    Direct_Spatial_Reference_Method: Vector
    Point_and_Vector_Object_Information:
        SDTS_Terms_Description:
            SDTS_Point_and_Vector_Object_Type: String
            Point_and_Vector_Object_Count: 100

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

Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

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

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

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

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

Distribution_Information:
    Resource_Description: Downloadable Data
    Standard_Order_Process:

> *Digital_Form:*
>> *Digital_Transfer_Information:*
>>> *Transfer_Size:* 0.016

Metadata_Reference_Information:
> *Metadata_Date:* 20060109
> *Metadata_Contact:*
>> *Contact_Information:*
>>> *Contact_Organization_Primary:*
>>>> *Contact_Organization:* EFLHD Sterling
>>>> *Contact_Person:* Dan VanGilder
>>> *Contact_Position:* GIS Coordinator
>>> *Contact_Address:*
>>>> *Address_Type:* mailing and physical address
>>>> *City:* Sterling
>>>> *State_or_Province:* Virginia
>>>> *Postal_Code:* 20166
>>>> *Country:* United States
>>> *Contact_Voice_Telephone:* 703-404-6361
>>> *Contact_Electronic_Mail_Address:* dvangilder@fhwa.dot.gov
> *Metadata_Standard_Name:* FGDC Content Standards for Digital Geospatial Metadata
> *Metadata_Standard_Version:* FGDC-STD-001-1998
> *Metadata_Time_Convention:* local time
> *Metadata_Extensions:*
>> *Online_Linkage:* <http://www.esri.com/metadata/esriprof80.html>
>> *Profile_Name:* ESRI Metadata Profile

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cana_pkg_03

Metadata also available as

Metadata:

- Identification_Information
- Data_Quality_Information
- Spatial_Data_Organization_Information
- Spatial_Reference_Information
- Entity_and_Attribute_Information
- Distribution_Information
- Metadata_Reference_Information

Identification_Information:
    Citation:
        Citation_Information:
            Originator: Eastern Federal Lands Highway Division
            Publication_Date: Unknown
            Title: cana_pkg_03
            Geospatial_Data_Presentation_Form: vector digital data
            Online_Linkage: Not Available
    Description:
        Abstract: Parking Areas
        Purpose: Road Inventory Program
    Time_Period_of_Content:
        Time_Period_Information:
            Single_Date/Time:
                Calendar_Date: 12/16/1999
        Currentness_Reference: ground condition
    Status:
        Progress: Complete
        Maintenance_and_Update_Frequency: As per RIP cycle
    Spatial_Domain:
        Bounding_Coordinates:
            West_Bounding_Coordinate: -80.837901
            East_Bounding_Coordinate: -80.624524
            North_Bounding_Coordinate: 28.938006
            South_Bounding_Coordinate: 28.643275
    Keywords:
        Theme:
            Theme_Keyword_Thesaurus: CANA
            Theme_Keyword: CANA
    Access_Constraints: None
    Use_Constraints: Redistribution needs permission from EFLHD/NPS
    Point_of_Contact:
        Contact_Information:

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

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

Spatial_Data_Organization_Information:
    Direct_Spatial_Reference_Method: Vector
    Point_and_Vector_Object_Information:
        SDTS_Terms_Description:
           SDTS_Point_and_Vector_Object_Type: G-polygon
           Point_and_Vector_Object_Count: 37

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

Entity_and_Attribute_Information:
    Detailed_Description:
        Entity_Type:
            Entity_Type_Label: cana_pkg_03
        Attribute:
            Attribute_Label: FID
            Attribute_Definition: Internal feature number.
            Attribute_Definition_Source: ESRI
            Attribute_Domain_Values:
                Unrepresentable_Domain:
                    Sequential unique whole numbers that are automatically generated.
        Attribute:
            Attribute_Label: Shape
            Attribute_Definition: Feature geometry.
            Attribute_Definition_Source: ESRI
            Attribute_Domain_Values:
                Unrepresentable_Domain: Coordinates defining the features.
        Attribute:
            Attribute_Label: PARK_ALPHA
            Attribute_Definition: Park alpha code
            Attribute_Definition_Source: Route ID Meeting
        Attribute:
            Attribute_Label: RTE_NO
            Attribute_Definition: Route number
            Attribute_Definition_Source: Route ID Meeting
        Attribute:
            Attribute_Label: RTE_NAME
            Attribute_Definition: Route name
            Attribute_Definition_Source: Route ID Meeting
        Attribute:
            Attribute_Label: FEATURE
        Attribute:
            Attribute_Label: SURF_TYPE
            Attribute_Definition: Surface type of route
            Attribute_Domain_Values:
        Attribute:
            Attribute_Label: CONDITION
            Attribute_Definition: Condition rating for route
        Attribute:
            Attribute_Label: PHOTOS
            Attribute_Definition: Photo filename associated with feature
        Attribute:
            Attribute_Label: COMMENT
            Attribute_Definition: Field comment
        Attribute:
            Attribute_Label: GPS_DATE
            Attribute_Definition: Date of GPS collection
        Attribute:
            Attribute_Label: DATAFILE
        Attribute:
            Attribute_Label: SQ_FT

Attribute_Definition: Feature area in square feet

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

Metadata_Reference_Information:
    Metadata_Date: 20060109
    Metadata_Contact:
        Contact_Information:
            Contact_Organization_Primary:
                Contact_Organization: EFLHD Sterling
                Contact_Person: Dan VanGilder
            Contact_Position: GIS Coordinator
            Contact_Address:
                Address_Type: mailing and physical address
                Address: 21400 Ridgetop Circle
                City: Sterling
                State_or_Province: Virginia
                Postal_Code: 20166
                Country: United States
            Contact_Voice_Telephone: 703-404-6361
            Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
    Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
    Metadata_Standard_Version: FGDC-STD-001-1998
    Metadata_Time_Convention: local time
    Metadata_Extensions:
        Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
        Profile_Name: ESRI Metadata Profile

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cana_pkg_03_map

Metadata also available as

Metadata:

- Identification_Information
- Data_Quality_Information
- Spatial_Data_Organization_Information
- Spatial_Reference_Information
- Entity_and_Attribute_Information
- Distribution_Information
- Metadata_Reference_Information

Identification_Information:
  Citation:
    Citation_Information:
      Originator: Eastern Federal Lands Highway Division
      Publication_Date: Unknown
      Title: cana_pkg_03_map
      Geospatial_Data_Presentation_Form: vector digital data
      Online_Linkage: Not Available
  Description:
    Abstract: Copy of Parking Areas
    Purpose: Road Inventory Program
    Supplemental_Information:
      This shapefile is a copy of the source parking shapefile. The features are edited as needed for graphic purposes.
  Time_Period_of_Content:
    Time_Period_Information:
      Single_Date/Time:
        Calendar_Date: 12/16/1999
    Currentness_Reference: ground condition
  Status:
    Progress: Complete
    Maintenance_and_Update_Frequency: As per RIP cycle
  Spatial_Domain:
    Bounding_Coordinates:
      West_Bounding_Coordinate: -80.837901
      East_Bounding_Coordinate: -80.624524
      North_Bounding_Coordinate: 28.938006
      South_Bounding_Coordinate: 28.643275
  Keywords:
    Theme:
      Theme_Keyword_Thesaurus: CANA
      Theme_Keyword: CANA
  Access_Constraints: None

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

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

Spatial_Data_Organization_Information:
    Direct_Spatial_Reference_Method: Vector
    Point_and_Vector_Object_Information:
        SDTS_Terms_Description:
            SDTS_Point_and_Vector_Object_Type: G-polygon
            Point_and_Vector_Object_Count: 37

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

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
    Detailed_Description:
        Entity_Type:
            Entity_Type_Label: cana_pkg_03_map
        Attribute:
            Attribute_Label: FID
            Attribute_Definition: Internal feature number.
            Attribute_Definition_Source: ESRI
            Attribute_Domain_Values:
                Unrepresentable_Domain:
                    Sequential unique whole numbers that are automatically generated.
        Attribute:
            Attribute_Label: Shape
            Attribute_Definition: Feature geometry.
            Attribute_Definition_Source: ESRI
            Attribute_Domain_Values:
                Unrepresentable_Domain: Coordinates defining the features.
        Attribute:
            Attribute_Label: PARK_ALPHA
            Attribute_Definition: Park alpha code
            Attribute_Definition_Source: Route ID Meeting
        Attribute:
            Attribute_Label: RTE_NO
            Attribute_Definition: Route number
            Attribute_Definition_Source: Route ID Meeting
        Attribute:
            Attribute_Label: RTE_NAME
            Attribute_Definition: Route name
            Attribute_Definition_Source: Route ID Meeting
        Attribute:
            Attribute_Label: FEATURE
        Attribute:
            Attribute_Label: SURF_TYPE
            Attribute_Definition: Surface type of route
            Attribute_Domain_Values:
        Attribute:
            Attribute_Label: CONDITION
            Attribute_Definition: Condition rating for route
        Attribute:
            Attribute_Label: PHOTOS
            Attribute_Definition: Photo filename associated with feature
        Attribute:
            Attribute_Label: COMMENT
            Attribute_Definition: Field comment
        Attribute:
            Attribute_Label: GPS_DATE
            Attribute_Definition: Date of GPS collection

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

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

Metadata_Reference_Information:
   Metadata_Date: 20060109
   Metadata_Contact:
      Contact_Information:
         Contact_Organization_Primary:
            Contact_Organization: EFLHD Sterling
            Contact_Person: Dan VanGilder
         Contact_Position: GIS Coordinator
         Contact_Address:
            Address_Type: mailing and physical address
            Address: 21400 Ridgetop Circle
            City: Sterling
            State_or_Province: Virginia
            Postal_Code: 20166
            Country: United States
         Contact_Voice_Telephone: 703-404-6361
         Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
   Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
   Metadata_Standard_Version: FGDC-STD-001-1998
   Metadata_Time_Convention: local time
   Metadata_Extensions:
      Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
      Profile_Name: ESRI Metadata Profile

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

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

Spatial_Data_Organization_Information:
    Direct_Spatial_Reference_Method: Vector
    Point_and_Vector_Object_Information:
        SDTS_Terms_Description:
            SDTS_Point_and_Vector_Object_Type: String
            Point_and_Vector_Object_Count: 1

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

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
    Detailed_Description:
        Entity_Type:
            Entity_Type_Label: cana_nonnps
        Attribute:
            Attribute_Label: FID
            Attribute_Definition: Internal feature number.
            Attribute_Definition_Source: ESRI
            Attribute_Domain_Values:
                Unrepresentable_Domain:
                    Sequential unique whole numbers that are automatically generated.
        Attribute:
            Attribute_Label: Shape
            Attribute_Definition: Feature geometry.
            Attribute_Definition_Source: ESRI
            Attribute_Domain_Values:
                Unrepresentable_Domain: Coordinates defining the features.
        Attribute:
            Attribute_Label: FNODE_
            Attribute_Definition: Name of road if available
        Attribute:
            Attribute_Label: TNODE_
        Attribute:
            Attribute_Label: LPOLY_
        Attribute:
            Attribute_Label: RPOLY_
        Attribute:
            Attribute_Label: LENGTH
        Attribute:
            Attribute_Label: CANA_MI_
        Attribute:
            Attribute_Label: CANA_MI_ID
        Attribute:
            Attribute_Label: ID
        Attribute:
            Attribute_Label: RTE_NO
        Attribute:
            Attribute_Label: BMP
        Attribute:
            Attribute_Label: EMP
        Attribute:
            Attribute_Label: PCR
        Attribute:
            Attribute_Label: PCR_RATE
        Attribute:
            Attribute_Label: RT_LENGTH
        Attribute:

Attribute_Label: PCRMI
Attribute:
    Attribute_Label: PCR_RATEMI
Attribute:
    Attribute_Label: PCR_RATEAV
Attribute:
    Attribute_Label: PCRAV
Attribute:
    Attribute_Label: NAME

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

Metadata_Reference_Information:
    Metadata_Date: 20060109
    Metadata_Contact:
        Contact_Information:
            Contact_Organization_Primary:
                Contact_Organization: EFLHD Sterling
                Contact_Person: Dan VanGilder
            Contact_Position: GIS Coordinator
            Contact_Address:
                Address_Type: mailing and physical address
                Address: 21400 Ridgetop Circle
                City: Sterling
                State_or_Province: Virginia
                Postal_Code: 20166
                Country: United States
            Contact_Voice_Telephone: 703-404-6361
            Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
    Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
    Metadata_Standard_Version: FGDC-STD-001-1998
    Metadata_Time_Convention: local time
    Metadata_Extensions:
        Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
        Profile_Name: ESRI Metadata Profile

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cana_mrp_03

Metadata also available as

Metadata:

- Identification_Information
- Data_Quality_Information
- Spatial_Data_Organization_Information
- Spatial_Reference_Information
- Entity_and_Attribute_Information
- Distribution_Information
- Metadata_Reference_Information

Identification_Information:
   Citation:
      Citation_Information:
         Originator: Eastern Federal Lands Highway Division
         Publication_Date: Unknown
         Title: cana_mrp_03
         Geospatial_Data_Presentation_Form: vector digital data
         Online_Linkage: Not Available
   Description:
      Abstract: Manually Rated Roads - Polygons
      Purpose: Road Inventory Program
   Time_Period_of_Content:
      Time_Period_Information:
         Single_Date/Time:
            Calendar_Date: 12/14/1999
      Currentness_Reference: ground condition
   Status:
      Progress: Complete
      Maintenance_and_Update_Frequency: As per RIP cycle
   Spatial_Domain:
      Bounding_Coordinates:
         West_Bounding_Coordinate: -80.648658
         East_Bounding_Coordinate: -80.647085
         North_Bounding_Coordinate: 28.676013
         South_Bounding_Coordinate: 28.674796
   Keywords:
      Theme:
         Theme_Keyword_Thesaurus: CANA
         Theme_Keyword: CANA
   Access_Constraints: None
   Use_Constraints: None
   Point_of_Contact:
      Contact_Information:

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

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

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
    SDTS_Terms_Description:
        SDTS_Point_and_Vector_Object_Type: G-polygon
        Point_and_Vector_Object_Count: 1

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

Entity_and_Attribute_Information:
    Detailed_Description:
        Entity_Type:
            Entity_Type_Label: cana_mrp_03
        Attribute:
            Attribute_Label: FID
            Attribute_Definition: Internal feature number.
            Attribute_Definition_Source: ESRI
            Attribute_Domain_Values:
                Unrepresentable_Domain:
                    Sequential unique whole numbers that are automatically generated.
        Attribute:
            Attribute_Label: Shape
            Attribute_Definition: Feature geometry.
            Attribute_Definition_Source: ESRI
            Attribute_Domain_Values:
                Unrepresentable_Domain: Coordinates defining the features.
        Attribute:
            Attribute_Label: PARK_ALPHA
            Attribute_Definition: Park alpha code
            Attribute_Definition_Source: Route ID Meeting
        Attribute:
            Attribute_Label: RTE_NO
            Attribute_Definition: Route Number
            Attribute_Definition_Source: Route ID Meeting
        Attribute:
            Attribute_Label: RTE_NAME
            Attribute_Definition: Route Name
            Attribute_Definition_Source: Route ID Meeting
        Attribute:
            Attribute_Label: FEATURE
            Attribute_Definition: Route section ID
        Attribute:
            Attribute_Label: SURF_TYPE
            Attribute_Definition: Surface type of route
        Attribute:
            Attribute_Label: CONDITION
            Attribute_Definition: Condition rating
        Attribute:
            Attribute_Label: PHOTOS
            Attribute_Definition: Field comment
        Attribute:
            Attribute_Label: COMMENT
            Attribute_Definition: Date of GPS collection
        Attribute:
            Attribute_Label: GPS_DATE
        Attribute:
            Attribute_Label: DATAFILE
            Attribute_Definition: Area of manually rated road in squre feet
        Attribute:
            Attribute_Label: SQ_FT

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

Metadata_Reference_Information:
    Metadata_Date: 20060109
    Metadata_Contact:
        Contact_Information:
            Contact_Organization_Primary:
                Contact_Organization: EFLHD Sterling
                Contact_Person: Dan VanGilder
            Contact_Position: GIS Coordinator
            Contact_Address:
                Address_Type: mailing and physical address
                Address: 21400 Ridgetop Circle
                City: Sterling
                State_or_Province: Virginia
                Postal_Code: 20166
                Country: United States
            Contact_Voice_Telephone: 703-404-6361
            Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
    Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
    Metadata_Standard_Version: FGDC-STD-001-1998
    Metadata_Time_Convention: local time
    Metadata_Extensions:
        Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
        Profile_Name: ESRI Metadata Profile

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cana_mrp_03_map

Metadata also available as

Metadata:

- Identification_Information
- Data_Quality_Information
- Spatial_Data_Organization_Information
- Spatial_Reference_Information
- Entity_and_Attribute_Information
- Distribution_Information
- Metadata_Reference_Information

Identification_Information:
    Citation:
        Citation_Information:
            Originator: Eastern Federal Lands Highway Division
            Publication_Date: Unknown
            Title: cana_mrp_03_map
            Geospatial_Data_Presentation_Form: vector digital data
            Online_Linkage: Not Available
    Description:
        Abstract: Manually Rated Roads - Polygons
        Purpose: Road Inventory Program
    Time_Period_of_Content:
        Time_Period_Information:
            Single_Date/Time:
                Calendar_Date: 02/02/2002
        Currentness_Reference: ground condition
    Status:
        Progress: Complete
        Maintenance_and_Update_Frequency: As per RIP cycle
    Spatial_Domain:
        Bounding_Coordinates:
            West_Bounding_Coordinate: -80.648658
            East_Bounding_Coordinate: -80.647085
            North_Bounding_Coordinate: 28.676013
            South_Bounding_Coordinate: 28.674796
    Keywords:
        Theme:
            Theme_Keyword_Thesaurus: CANA
            Theme_Keyword: CANA
    Access_Constraints: None
    Use_Constraints: None
    Point_of_Contact:
        Contact_Information:

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

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

Spatial_Data_Organization_Information:
 Direct_Spatial_Reference_Method: Vector
 Point_and_Vector_Object_Information:
  SDTS_Terms_Description:
   SDTS_Point_and_Vector_Object_Type: G-polygon
   Point_and_Vector_Object_Count: 1

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

Entity_and_Attribute_Information:
    Detailed_Description:
        Entity_Type:
            Entity_Type_Label: cana_mrp_03_map
        Attribute:
            Attribute_Label: FID
            Attribute_Definition: Internal feature number.
            Attribute_Definition_Source: ESRI
            Attribute_Domain_Values:
                Unrepresentable_Domain:
                    Sequential unique whole numbers that are automatically generated.
        Attribute:
            Attribute_Label: Shape
            Attribute_Definition: Feature geometry.
            Attribute_Definition_Source: ESRI
            Attribute_Domain_Values:
                Unrepresentable_Domain: Coordinates defining the features.
        Attribute:
            Attribute_Label: PARK_ALPHA
            Attribute_Definition: Park alpha code
            Attribute_Definition_Source: Route ID Meeting
        Attribute:
            Attribute_Label: RTE_NO
            Attribute_Definition: Route Number
            Attribute_Definition_Source: Route ID Meeting
        Attribute:
            Attribute_Label: RTE_NAME
            Attribute_Definition: Route Name
            Attribute_Definition_Source: Route ID Meeting
        Attribute:
            Attribute_Label: FEATURE
            Attribute_Definition: Route section ID
        Attribute:
            Attribute_Label: SURF_TYPE
            Attribute_Definition: Surface type of route
        Attribute:
            Attribute_Label: CONDITION
            Attribute_Definition: Condition rating
        Attribute:
            Attribute_Label: PHOTOS
            Attribute_Definition: Field comment
        Attribute:
            Attribute_Label: COMMENT
            Attribute_Definition: Date of GPS collection
        Attribute:
            Attribute_Label: GPS_DATE
        Attribute:
            Attribute_Label: DATAFILE
            Attribute_Definition: Area of manually rated road in squre feet
        Attribute:
            Attribute_Label: SQ_FT

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

Metadata_Reference_Information:
    Metadata_Date: 20060109
    Metadata_Contact:
        Contact_Information:
            Contact_Organization_Primary:
                Contact_Organization: EFLHD Sterling
                Contact_Person: Dan VanGilder
            Contact_Position: GIS Coordinator
            Contact_Address:
                Address_Type: mailing and physical address
                Address: 21400 Ridgetop Circle
                City: Sterling
                State_or_Province: Virginia
                Postal_Code: 20166
                Country: United States
            Contact_Voice_Telephone: 703-404-6361
            Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
    Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
    Metadata_Standard_Version: FGDC-STD-001-1998
    Metadata_Time_Convention: local time
    Metadata_Extensions:
        Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
        Profile_Name: ESRI Metadata Profile

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cana_mi_pt

Metadata also available as

Metadata:

- Identification_Information
- Data_Quality_Information
- Spatial_Data_Organization_Information
- Spatial_Reference_Information
- Entity_and_Attribute_Information
- Distribution_Information
- Metadata_Reference_Information

Identification_Information:
    Citation:
        Citation_Information:
            Originator: The TSR Group
            Publication_Date: 2005
            Title: cana_mi_pt
            Geospatial_Data_Presentation_Form: vector digital data
            Online_Linkage: Not Available
    Description:
        Abstract: Mile Points
        Purpose: Road Inventory Program
        Supplemental_Information:
            Data created by The TSR Group from GPS coordinates provided in the PMS_20
            table. All attributes found in the PMS_20 table are found on the miles points.
    Time_Period_of_Content:
        Time_Period_Information:
            Single_Date/Time:
                Calendar_Date: 2005
        Currentness_Reference: ground condition
    Status:
        Progress: Complete
        Maintenance_and_Update_Frequency: Not Available
    Spatial_Domain:
        Bounding_Coordinates:
            West_Bounding_Coordinate: -80.831779
            East_Bounding_Coordinate: -80.629555
            North_Bounding_Coordinate: 28.938786
            South_Bounding_Coordinate: 28.643473
    Keywords:
        Theme:
            Theme_Keyword_Thesaurus: CANA
            Theme_Keyword: CANA
    Access_Constraints: None

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

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

Spatial_Data_Organization_Information:
    Direct_Spatial_Reference_Method: Vector
    Point_and_Vector_Object_Information:
        SDTS_Terms_Description:
            SDTS_Point_and_Vector_Object_Type: Entity point
            Point_and_Vector_Object_Count: 20

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

Denominator_of_Flattening_Ratio: 294.978698

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

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

Attribute_Label: DRAIN_COND
Attribute_Definition: Left drainage condition
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: DRAIN_CO_1
Attribute_Definition: Right drainage condition
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: PCR
Attribute_Definition: Pavement Condition Rating
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: RCI
Attribute_Definition: Roughness Condition Index; -1 if invalid IRI
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: SCR
Attribute_Definition: Surface Condition Rating
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: IRI_AVG
Attribute_Definition: Average IRI
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: IRI_SD
Attribute_Definition: IRI Standard Deviation
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: IRI_L
Attribute_Definition: Left wheel path IRI
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: IRI_R
Attribute_Definition: Rigth wheel path IRI
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: IRI_FLAG
Attribute_Definition: -1 if invalid IRI data
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: RUT_INDEX
Attribute_Definition: Rut index
Attribute_Definition_Source: Contractor Post-processing
Attribute:
Attribute_Label: RUT_AVG
Attribute_Definition: Average rut depth of both wheelpaths
Attribute_Definition_Source: Contractor Post-processing

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

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

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

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

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

Metadata_Reference_Information:
   Metadata_Date: 20060109
   Metadata_Contact:
      Contact_Information:
         Contact_Organization_Primary:
            Contact_Organization: EFLHD Sterling
            Contact_Person: Dan VanGilder
         Contact_Position: GIS Coordinator
         Contact_Address:
            Address_Type: mailing and physical address
            Address: 21400 Ridgetop Circle
            City: Sterling
            State_or_Province: Virginia

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

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cana_nonnps

Metadata also available as

Metadata:

- Identification_Information
- Data_Quality_Information
- Spatial_Data_Organization_Information
- Spatial_Reference_Information
- Entity_and_Attribute_Information
- Distribution_Information
- Metadata_Reference_Information

Identification_Information:
    Citation:
        Citation_Information:
            Originator: The TSR Group
            Publication_Date: 2005
            Title: cana_nonnps
            Geospatial_Data_Presentation_Form: vector digital data
            Online_Linkage: Not Available
    Description:
        Abstract: non-NPS roads
        Purpose: Road Inventory Program
        Supplemental_Information:
            Data created by The TSR Group from heads-up digitizing of roads representing non-NPS roads for graphic purposes
    Time_Period_of_Content:
        Time_Period_Information:
            Single_Date/Time:
                Calendar_Date: 2005
        Currentness_Reference: ground condition
    Status:
        Progress: Complete
        Maintenance_and_Update_Frequency: As per RIP cycle
    Spatial_Domain:
        Bounding_Coordinates:
            West_Bounding_Coordinate: -80.838333
            East_Bounding_Coordinate: -80.836742
            North_Bounding_Coordinate: 28.870327
            South_Bounding_Coordinate: 28.867226
    Keywords:
        Theme:
            Theme_Keyword_Thesaurus: CANA
            Theme_Keyword: CANA
    Access_Constraints: None

cana_mi

Metadata also available as

Metadata:

- Identification_Information
- Data_Quality_Information
- Spatial_Data_Organization_Information
- Spatial_Reference_Information
- Entity_and_Attribute_Information
- Distribution_Information
- Metadata_Reference_Information

Identification_Information:
    Citation:
        Citation_Information:
            Originator: The TSR Group
            Publication_Date: 2005
            Title: cana_mi
            Geospatial_Data_Presentation_Form: vector digital data
            Online_Linkage: Not Available
    Description:
        Abstract: Routes
        Purpose: Road Inventory Program
        Supplemental_Information:
            Data created by The TSR Group from GPS coordinates provided in the PMS_20
            table. The shapefile is processed to aggregate adjacent segments with the same PCR
            rating provided in the PMS_mile table.
    Time_Period_of_Content:
        Time_Period_Information:
            Single_Date/Time:
                Calendar_Date: 2005
        Currentness_Reference: ground condition
    Status:
        Progress: Complete
        Maintenance_and_Update_Frequency: As per RIP cycle
    Spatial_Domain:
        Bounding_Coordinates:
            West_Bounding_Coordinate: -80.831779
            East_Bounding_Coordinate: -80.624367
            North_Bounding_Coordinate: 28.938786
            South_Bounding_Coordinate: 28.643003
    Keywords:
        Theme:
            Theme_Keyword_Thesaurus: CANA
            Theme_Keyword: CANA

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

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

Spatial_Data_Organization_Information:
    Direct_Spatial_Reference_Method: Vector
    Point_and_Vector_Object_Information:
        SDTS_Terms_Description:
            SDTS_Point_and_Vector_Object_Type: String
            Point_and_Vector_Object_Count: 14

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

Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

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

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

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.016

Metadata_Reference_Information:
    Metadata_Date: 20060109
    Metadata_Contact:
       Contact_Information:
          Contact_Organization_Primary:
             Contact_Organization: EFLHD Sterling
             Contact_Person: Dan VanGilder
          Contact_Position: GIS Coordinator
          Contact_Address:
             Address_Type: mailing and physical address
             City: Sterling
             State_or_Province: Virginia
             Postal_Code: 20166
             Country: United States
          Contact_Voice_Telephone: 703-404-6361
          Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
    Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
    Metadata_Standard_Version: FGDC-STD-001-1998
    Metadata_Time_Convention: local time
    Metadata_Extensions:
       Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
       Profile_Name: ESRI Metadata Profile

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