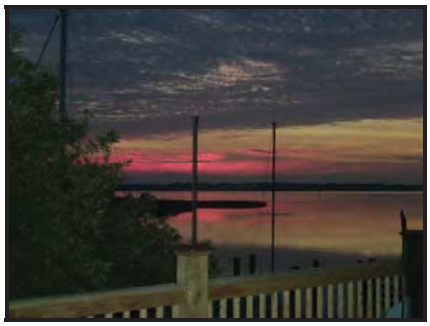
The Road Inventory
of
Cape Hatteras National Seashore
CAHA – 5190

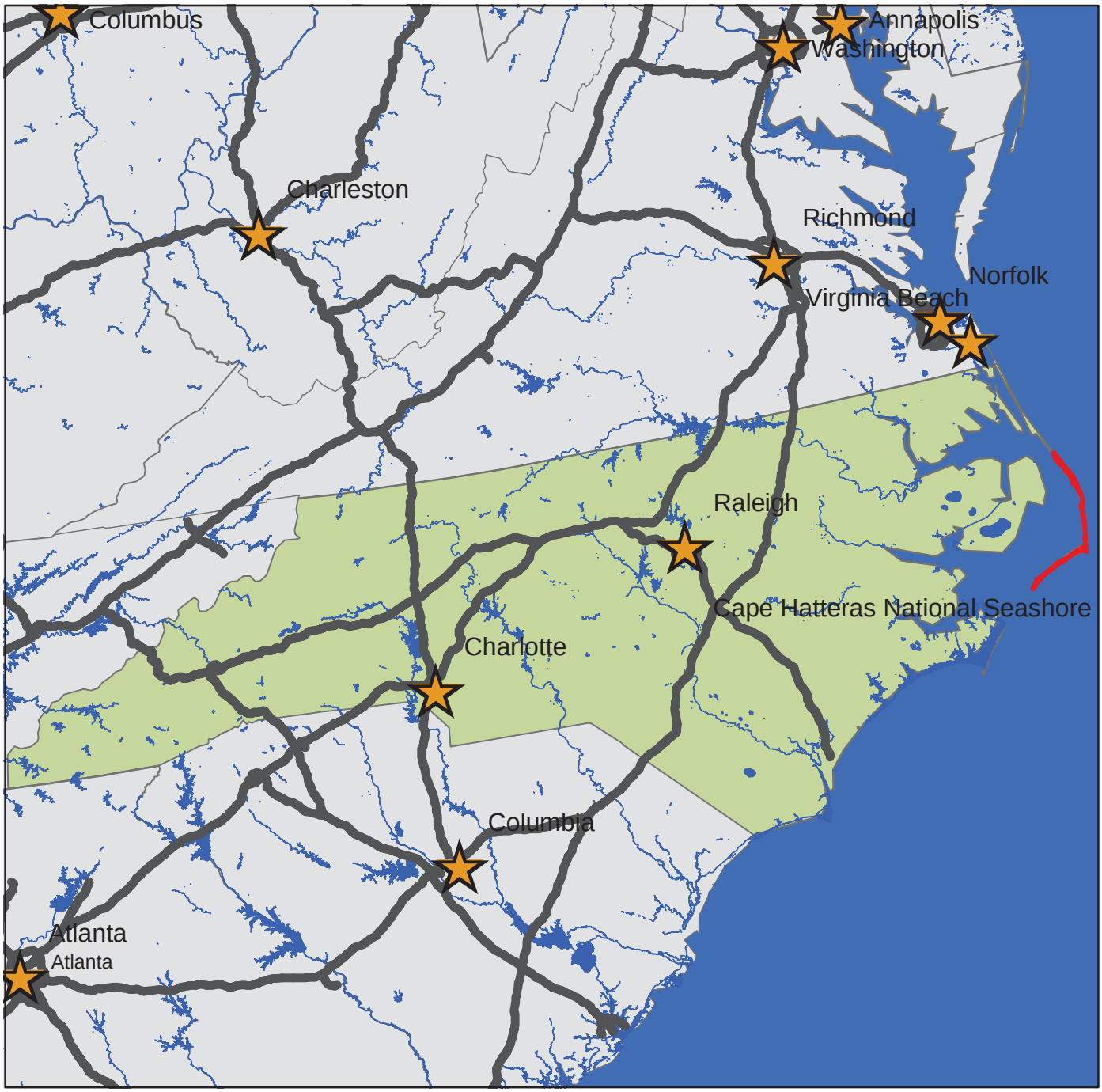
national park service



Road Inventory Program

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

Cape Hatteras National Seashore
in
North Carolina



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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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Cape Hatteras National Seashore Summaries

Overall Park Mileage Summary

PARK TOTAL SUMMARY ITEMS	TOTAL	DATE
Paved ARAN Driven Route Miles	14.50	2/18/2002
Unpaved Estimated Route Miles	22.28	2/18/2002
Paved ARAN and Unpaved Route Miles	36.78	
Paved ARAN Driven Lane Miles	26.69	2/18/2002
Paved MRR Lane Miles	13.13	2/18/2002
Parking Lot Lane Miles	16.74	2/18/2002
Total Paved Lane Miles	56.56	

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)

Cape Hatteras 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	2.72	$81,600
Good	4.39	$482,900
Fair	4.63	$2,592,800
Poor	2.76	$4,250,400
Totals	**14.50**	**$7,407,700**

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).

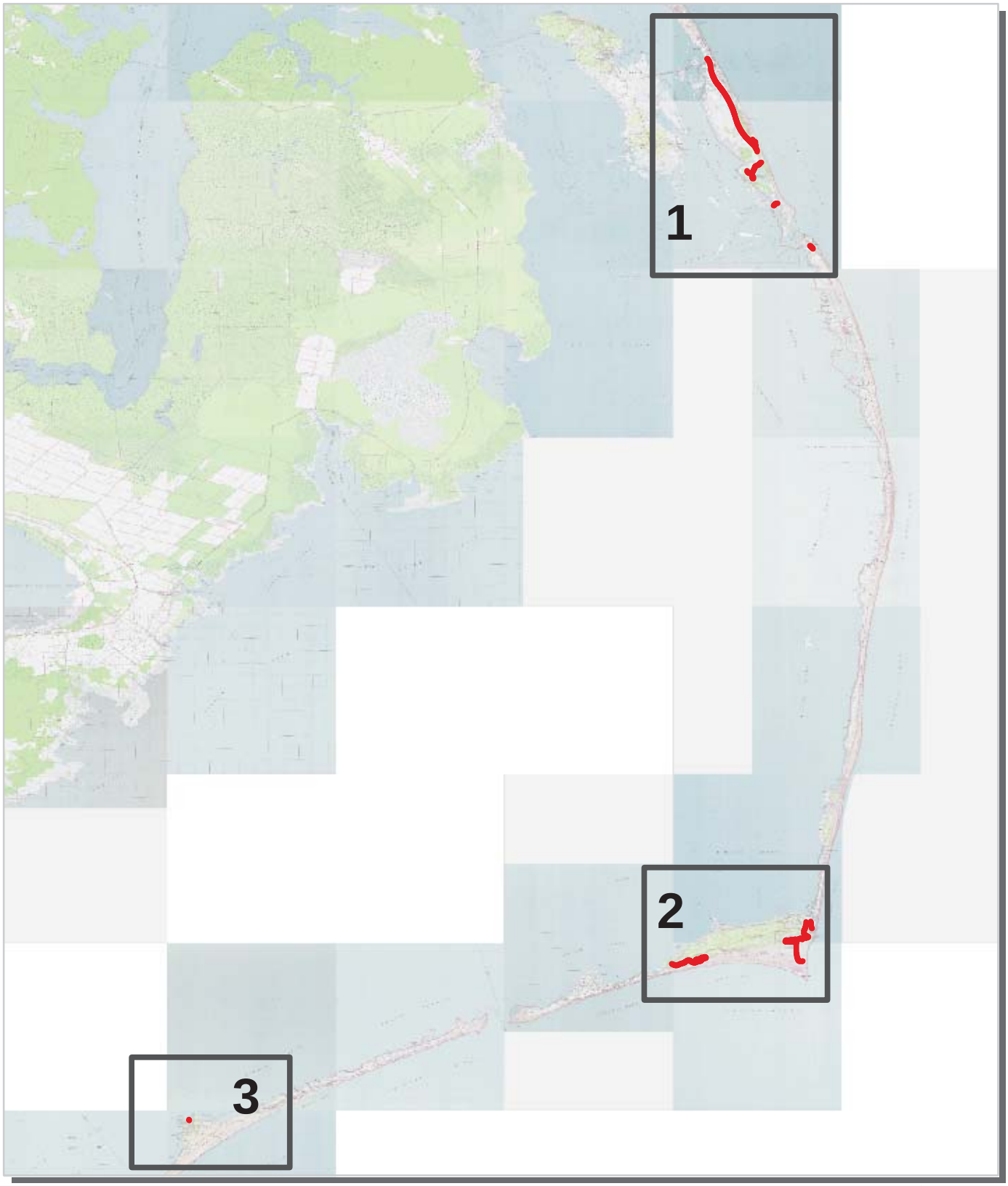
These numbers are for preliminary planning purposes only and should not be used for project level proposals. For park planning level analysis, apply your park multiplier for more accurate regional costs.

Cape Hatteras National Seashore Summaries

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

F.C.	Pavement Condition Rating								TOTAL MILES
	Poor (<=60)		Fair (61-84)		Good (85-94)		Excellent (95-100)		
	MILES	%	MILES	%	MILES	%	MILES	%	
1	0.23	1.59%	1.90	13.10%	3.65	25.17%	2.34	16.14%	8.12
2			0.60	4.14%	0.32	2.21%	0.25	1.72%	1.17
3	1.30	8.97%	1.19	8.21%	0.22	1.52%	0.04	0.28%	2.75
4									
5	1.23	8.48%	0.94	6.48%	0.20	1.38%	0.09	0.62%	2.46
6									
7									
8									
Totals	**2.76**	**19.03%**	**4.63**	**31.93%**	**4.39**	**30.28%**	**2.72**	**18.76%**	**14.50**

Cape Hatteras National Seashore
Route Location
Key Map



Park Owned Routes

10 5 0 10 Miles

N

Cape Hatteras National Seashore
Route Location Map
Area Map 1

Unique colors used to differentiate routes

2 1 0 2 Miles

N

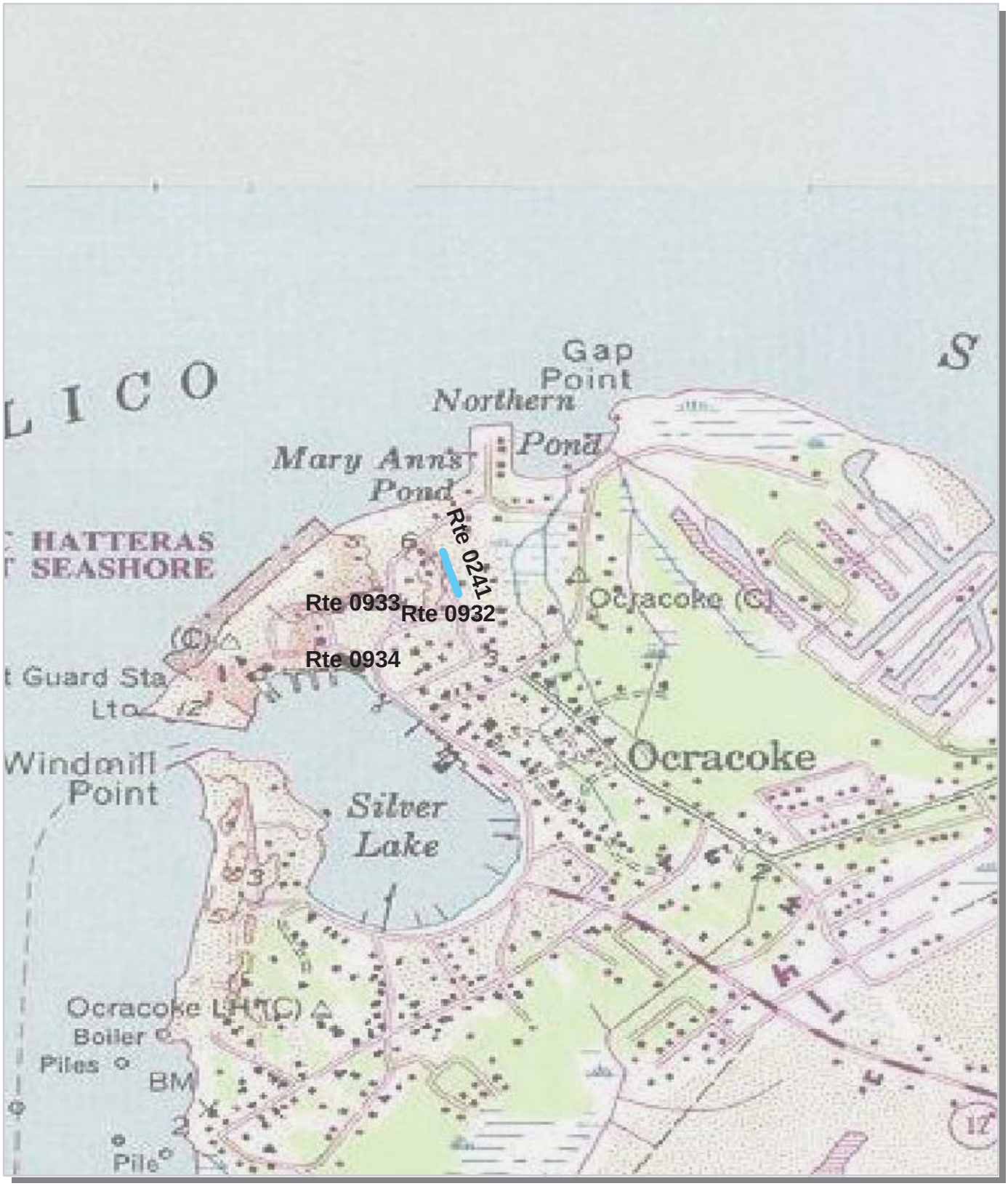
Cape Hatteras National Seashore
Route Location Map
Area Map 2

Unique colors used to differentiate routes

2 1 0 2 Miles

N

Cape Hatteras National Seashore
Route Location Map
Area Map 3

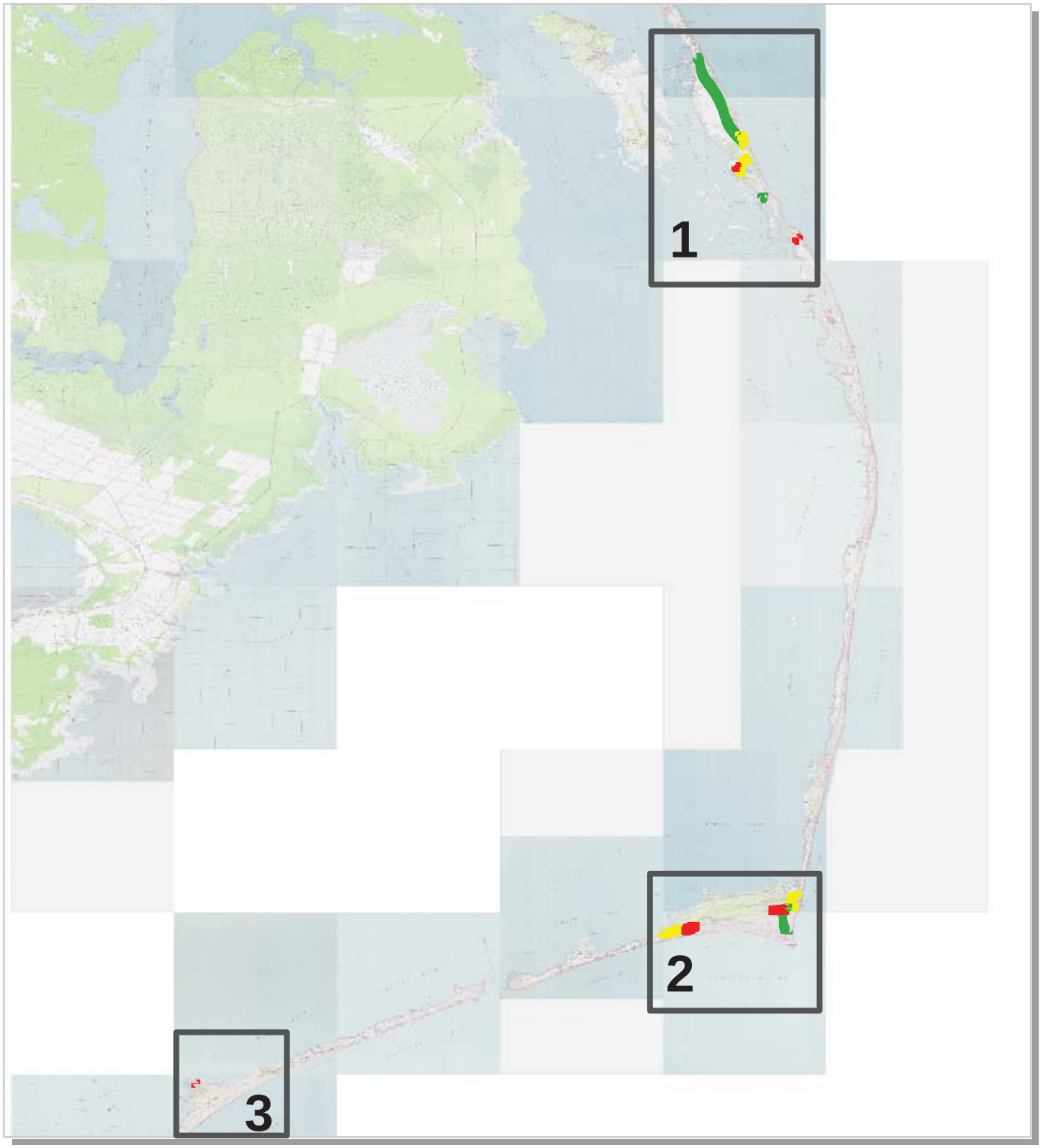


Unique colors used to differentiate routes

0.25 0.125 0 0.25 Miles

N

Cape Hatteras National Seashore
Route Condition Key Map
PCR - Mile by Mile



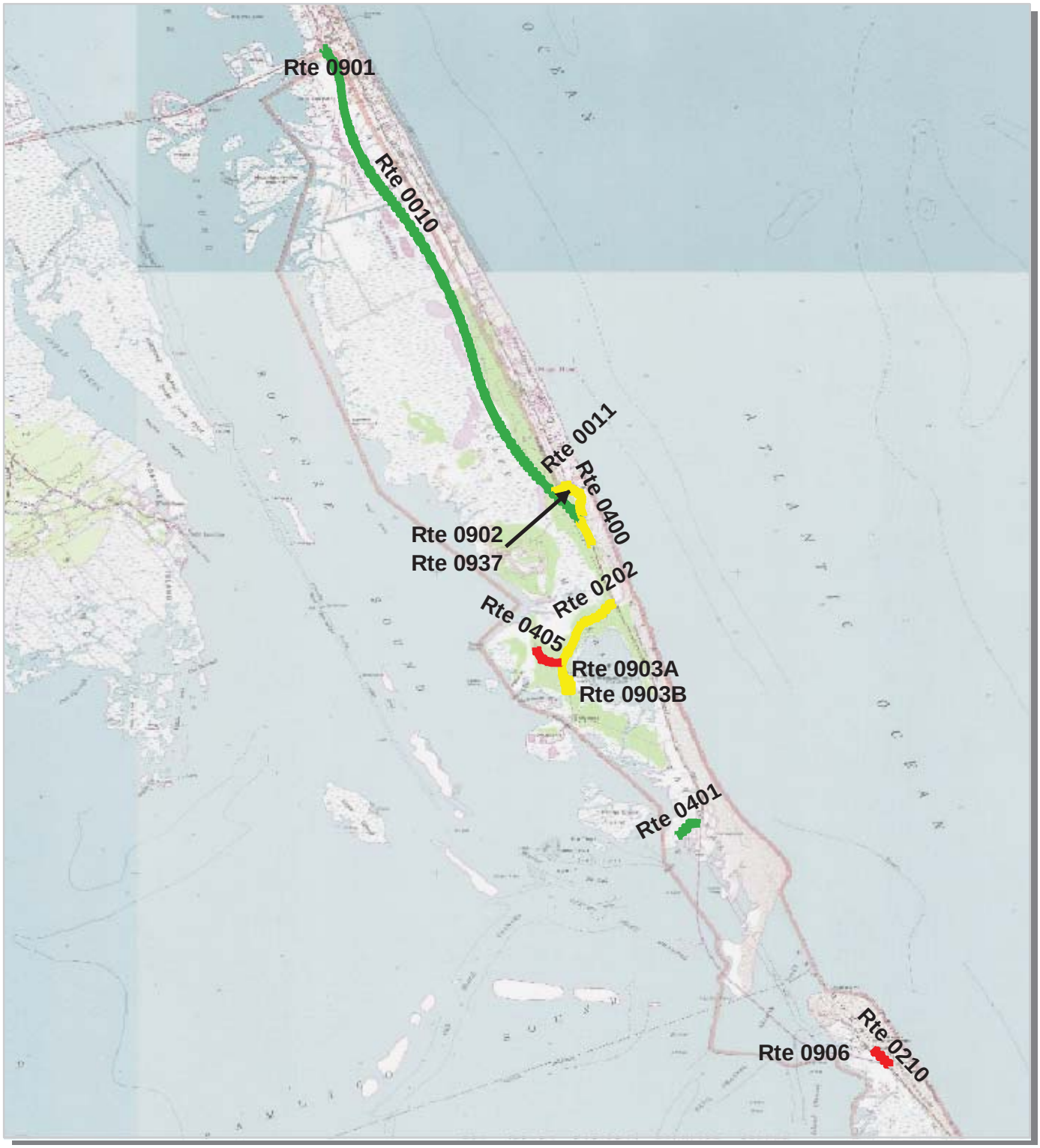
PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

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

10 5 0 10 Miles

N

Cape Hatteras National Seashore
Route Condition Area Map 1
PCR - Mile by Mile



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

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

2 1 0 2 Miles

N

Cape Hatteras National Seashore
Route Condition Area Map 2
PCR - Mile by Mile

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

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

2 1 0 2 Miles

N

Cape Hatteras National Seashore
Route Condition Area Map 3
PCR - Mile by Mile

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

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

0.25 0.125 0 0.25 Miles

N

NPS/RIP Route ID Report

(Numerical By Route #)

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Cape Hatteras National Seashore

Rte. #	FMSS Asset #	Route Name	Route Description From	Route Description To	Paved Miles	Un-Paved Miles	Rte. Lgth	Func. Class	Rte. Lanes	Manual Rated SQ/FT	Surf. Type
0010	28946	Bodie Island Entrance Road	From North Entrance	To Route 0404	5.28	0.00	5.28	1	2	0	OC
0011	28947	S. Old Oregon Inlet Road	From Route 0010 at MP 4.6 on Left	To just past Route 0400 at pavement change	0.17	0.00	0.17	1	2	0	OC
0012	28675	Lighthouse Road	From NC State Route 12	To Route 0921	2.67	0.00	2.67	1	2	0	OC
0014	28827	Frisco Campground Access / Billy Mitchell Road	From NC State Route 12	To Route 0227 (Frisco Campground)	1.17	0.00	1.17	2	2	0	AS
0201	28919	Coquina Beach Access	From NC State Route 12 (Across from Route 0202)	To End of Loop	0.00	0.00	0.00	3	2	111,473	AS
0202	28930	Bay Drive	From NC State Route 12 (Across from Route 0201)	To End of Loop	1.21	0.00	1.21	3	2	0	OC
0204	28951	Oregon Inlet Campground	From NC State Route 12	Through Campground	0.00	0.00	0.00	3	2	117,971	AS
0208	28950	Oregon Inlet Marina Access and Parking	From Route 0401	To End	0.00	0.00	0.00	3	2	144,477	AS
0209	28953	Oregon Inlet Small Boat Access and Parking	From Route 0401	To End	1.11	0.00	1.11	3	2	129,411	AS
0210	28952	Pea Island Day Use Road	From NC State Route 12	To End	0.23	0.00	0.23	3	2	0	OC
0211	28956	Pea Island Beach Access	From Route 0210	To End	0.00	0.11	0.11	3	2	0	GR
0215	28958	Salvo Day Use Access	From NC State Route 12	To End of Loop	1.59	0.00	1.59	3		92,575	AS
0216	29687	Pea Island Observation Turnout No 1	From Route 0010	To Parking Area	0.00	0.98	0.98	3	2	0	GR
0223	35861	Avon Road Relocation	From NC State Route 12	To NC State Route 12	0.17	0.00	0.17	3	2	20,167	AS
0225	28787	Cape Point Campground Perimeter Loop	From Route 0012 at MP 2.44	To End of Loop	5.11	0.00	5.11	3	2	297,326	AS
0227	28695	Frisco Campground Loop	From the End of Route 0014	To End of Loop	1.24	0.00	1.24	3	2	0	OC
0230	35797	Coast Guard Access at Hatteras	From NC State Route 12	To Coast Guard Entrance Gate	0.38	0.00	0.38	5	2	0	OC
0234	29715	Okracoke Campground Perimeter Loop Road	From NC State Route 12	Through Campground	1.47	0.00	1.47	3	2	170,406	AS
0237	29716	Ramp 52 Parking Area Access	From Okracoke Airport Access	To End	1.11	0.00	1.11	3	2	12,400	AS
0240	35798	Lighthouse Access Road	From Route 0012 at Right turn before Route 0917	To Route 0936 Cape Hatteras Lighthouse Parking	0.07	0.00	0.07	3	2	0	AS
0241	29668	Ocracoke Residence Road	From near water tower in Ocracoke	To End	0.08	0.00	0.08	5	2	0	AS
0400	28894	Park Service Road	From Route 0011	To End of Loop	0.39	0.00	0.39	5	2	0	OC
0401	28954	Oregon Island Coast Guard Access	From NC State Route 12	To Coast Guard	0.25	0.00	0.25	5	1	0	OC
0402	28964	Bodie Island Well Field Access	From Route 0010	To End of Loop	0.00	1.18	1.18	5	1	0	GR
0403	28916	Bodie Island Residence No 100 Access	From Route 0010	To Residence No.100	0.00	0.00	0.00	5	2	1,729	AS
0404	28911	Ranger Station at Coquina Beach Access	From End of Route 0010 on Left	To End of Loop	0.14	0.00	0.14	3	2	16,807	AS
0405	28931	Bodie Island Sub District Bone Yard Road	From Route 0202	To Maintenance Yard	0.30	0.00	0.30	5	2	0	OC

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Cape Hatteras National Seashore

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0408	28651	Little Kinnakeet Station Access	From Route 0010	To End	0.00	0.18	0.18	5	1	0	GR
0410	28755	Loggerhead Lane	From Route 0012	To Route 0918	1.06	0.00	1.06	5	2	0	OC
0411	28751	Cabin Road	From Route 0410	To End	0.07	0.00	0.07	5	2	8,173	AS
0413	35793	Frisco Water Tower Road	From Route 0014	To End of Loop	0.00	0.90	0.90	5	1	0	GR
0414	35794	Frisco Well Access	From Route 0227	To End of Loop	0.00	1.34	1.34	5	1	0	GR
0417	29667	Okracoke Residence Access	From Okracoke Town Road	To End	0.26	0.00	0.26	5	2	15,334	AS
0700	28654	HI RD CAHA Lighthouse Emergency Access Rd	From	To	0.00	0.30	0.30	ZZ		0	GR
0701	28676	HI RD CAHA Lighthouse Service Roads	From	To	0.00	0.10	0.10	ZZ		0	GR
0702	28696	HI RD Buxton Boneyard Access	From	To	0.00	0.20	0.20	ZZ		0	GR
0703	28790	HI RD Cape Point Interdunal Road	From	To	0.00	1.40	1.40	ZZ		0	GR
0704	28792	HI RD Cape Point Open Ponds Road	From	To	0.00	4.20	4.20	ZZ		0	GR
0705	28856	HI RMP Ramp 27	From	To	0.00	0.10	0.10	ZZ		0	GR
0706	28858	HI RMP Ramp 30	From	To	0.00	0.10	0.10	ZZ		0	GR
0707	28860	HI RMP Ramp 34	From	To	0.00	0.10	0.10	ZZ		0	GR
0708	28861	HI RMP Ramp 38	From	To	0.00	0.10	0.10	ZZ		0	GR
0709	28862	HI RMP Ramp 43	From	To	0.00	0.10	0.10	ZZ		0	GR
0710	28863	HI RMP Ramp 44	From	To	0.00	0.30	0.30	ZZ		0	GR
0711	28864	HI RMP Ramp 45	From	To	0.00	0.10	0.10	ZZ		0	GR
0712	28866	HI RMP Ramp 49	From	To	0.00	0.30	0.30	ZZ		0	GR
0713	28867	HI RMP Ramp 55	From	To	0.00	0.10	0.10	ZZ		0	GR
0714	28932	BI RD Off Island Road	From	To	0.00	0.30	0.30	ZZ		0	GR
0715	28969	OI RD Ocracoke Lighthouse Access and Parking	From	To	0.00	0.10	0.10	ZZ		0	GR
0716	28975	BI RMP Ramp 1	From	To	0.00	0.10	0.10	ZZ		0	GR
0717	28977	BI RMP Coquina Beach Ramp 2	From	To	0.00	0.02	0.02	ZZ		0	GR
0718	28978	BI RMP Oregon Inlet Ramp 4	From	To	0.00	0.12	0.12	ZZ		0	GR
0719	28979	BI RMP Ramp 23	From	To	0.00	0.30	0.30	ZZ		0	GR
0720	29760	OI RD Ferry Harbor Road	From	To	0.00	0.60	0.60	ZZ		0	GR
0721	29761	OI RD Borrow Pit Road	From	To	0.00	0.30	0.30	ZZ		0	GR
0722	29763	OI RD Quock Hammock Road	From	To	0.00	0.50	0.50	ZZ		0	GR
0723	29767	OI RD Firing Range Road	From	To	0.00	0.30	0.30	ZZ		0	GR
0724	29769	OI RMP Ramp 59	From	To	0.00	0.20	0.20	ZZ		0	GR
0725	29770	OI RMP Ramp 67	From	To	0.00	0.20	0.20	ZZ		0	GR
0726	29771	OI RMP Ramp 69	From	To	0.00	0.10	0.10	ZZ		0	GR

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Cape Hatteras National Seashore

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0727	29772	OI RMP Ramp 70	From	To	0.00	0.10	0.10	ZZ		0	GR
0728	29773	OI RD South Point Road (Ramp 72)	From	To	0.00	3.60	3.60	ZZ		0	GR
0729	35784	HI RD Soundside Access MP 46.5	From	To	0.00	0.10	0.10	ZZ		0	GR
0730	35785	HI RD Soundside Access MP 48	From	To	0.00	0.10	0.10	ZZ		0	GR
0731	35786	HI RD Soundside Access MP 52.5	From	To	0.00	0.20	0.20	ZZ		0	GR
0732	35787	HI RD Soundside Access MP 53	From	To	0.00	0.10	0.10	ZZ		0	GR
0733	35790	HI RD British Cemetery Access	From	To	0.00	0.25	0.25	ZZ		0	GR
0734	35796	HI RD Hatteras Inlet Interdunal Road	From	To	0.00	2.50	2.50	ZZ		0	GR
0901	28885	Whalebone Information Station Access	From Route 0010 at MP 0.1	To Route 0010	0.00	0.00	0.00	9		14,101	AS
0902	28895	Bodie Island Maintenance Area	From Route 0400	To Parking	0.00	0.00	0.00	9		45,140	AS
0903A	28910	Bodie Island Lighthouse Parking Area A	From Route 0202	To Parking	0.00	0.00	0.00	9		11,264	AS
0903B	28910	Bodie Island Lighthouse Parking Area B	From Route 0202	To Parking	0.00	0.00	0.00	9		11,016	AS
0906	28973	Oregon Inlet Bridge Parking Access	From NC State Route 12	To Parking	0.00	0.00	0.00	9		48,562	AS
0907	28971	Turnout MP 10	From NC State Route 12	To Parking	0.00	0.00	0.00	9		6,939	AS
0908	28972	Pea Island Observation Turnout No 2	From NC State Route 12	To Parking	0.00	0.00	0.00	9		13,066	OC
0909	36792	Salvo Campground Turnout	From NC State Route 12	To Parking	0.00	0.00	0.00	9		10,012	AS
0910	28868	Turnout MP 28	From NC State Route 12	To Parking	0.00	0.00	0.00	9		14,964	AS
0911	28870	Turnout MP 30	From NC State Route 12	To Parking	0.00	0.00	0.00	9		13,936	AS
0912	28871	Turnout MP 34	From NC State Route 12	To Parking	0.00	0.00	0.00	9		13,865	AS
0913	28872	Turnout Ramp 38	From NC State Route 12 just past Avon City Limits	To Parking	0.00	0.00	0.00	9		13,377	AS
0914	28656	Canidian Hole Parking	Parking along NC State Route 12	To Parking	0.00	0.00	0.00	9		48,554	AS
0916	28677	Old Lighthouse Parking	From Route 0012 MP 0. 88	To Parking	0.00	0.00	0.00	9		33,604	AS
0917	28680	Buxton Woods Trailhead Parking	From North side of Route 0012 at MP 1.2	To Parking	0.00	0.00	0.00	9		10,295	AS
0918	28694	Buxton Maintenance Access	From Route 410 to Maintenance Area	To Parking	0.00	0.00	0.00	9		28,565	AS
0919	28760	Buxton Woods Dump Station	From East Side of Route 0012 at MP 1.6	To Parking	0.00	0.00	0.00	9		7,667	AS
0920	28761	Cape Hatteras Ranger Station Parking	From West Side of Route 0012 at MP 1.75	To Parking	0.00	0.00	0.00	9		29,829	AS
0921	28873	Cape Point Beach Day Use Parking	From End of Route 0012	To Parking	0.00	0.00	0.00	9		18,396	AS
0922	28876	Ampitheater Parking Area Access	From Route 0225	To End of Loop	0.00	0.00	0.00	9		22,447	AS
0923	28840	Turnout at MP 51	From NC State Route 12 at MP 68.8	To Parking	0.00	0.00	0.00	9		35,301	AS

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0924	28842	Sandy Bay Soundside Parking	From NC State Route 12, north side at MP 69.7	To Parking	0.00	0.00	0.00	9		24,335	AS
0925	28843	Turnout at MP 52.5	From NC State Route 12	To Parking	0.00	0.00	0.00	9		13,263	AS
0926	29752	Parking Access at Hatteras Inlet Ferry	From NC State Route 12 on Ocracoke Island	To Parking	0.00	0.00	0.00	9		15,423	AS
0927	29753	Turnout at MP 59.5	From NC State Route 12 on Ocracoke Island	To Parking	0.00	0.00	0.00	9		12,095	AS
0928	29755	Turnout at MP 64	From NC State Route 12 on Ocracoke Island	To Parking	0.00	0.00	0.00	9		17,178	AS
0929	29745	Pony Pen Access	From NC State Route 12 on Ocracoke Island	To Parking	0.00	0.00	0.00	9		17,325	AS
0930	29714	Trailer Dump Station Road/ Hammock Hill	From NC State Route 12 on Ocracoke Island	To Parking	0.00	0.00	0.00	9		18,996	AS
0931	29694	Okracoke Day Use Parking Area Access	From NC State Route 12 on Ocracoke Island	To Parking	0.00	0.00	0.00	9		49,403	AS
0932	29659	Okracoke Maintenance Access	From Okracoke Town Road	To Maintenance Area	0.00	0.00	0.00	9		27,345	AS
0933	29271	Okracoke Day Use Parking Area Access	Near End of NC State Route 12	To Parking	0.00	0.00	0.00	9		117,735	AS
0934	29208	Okracoke Visitor Center Parking Access	Near End of NC State Route 12	To Parking	0.00	0.00	0.00	9		11,598	AS
0935	28678	Cape Point Beach Parking	From Route 0012 at MP 0.89	To Parking	0.00	0.00	0.00	9		73,853	AS
0936	28674	Cape Hatteras Lighthouse Parking	From End of Route 0240	To Parking	0.00	0.00	0.00	9		71,971	AS
0937	28959	Maintenance Overflow Parking	From Route 0400	To Parking	0.00	0.00	0.00	9		4,213	AS
0938	28970	New Inlet Boat Ramp Parking	Adjacent to NC State Route 12	To Parking	0.00	0.00	0.00	9		13,717	AS
0939	28789	Fish Cleaning Station Parking	Adjacent to Route 0012	To Parking	0.00	0.00	0.00	9		5,772	AS
0940	28875	Frisco Airstrip Refueling Parking	Adjacent to Route 0014	To Parking	0.00	0.00	0.00	9		8,723	AS
0941	28877	Frisco Campground Parking A	Adjacent to Route 0227	To Parking	0.00	0.00	0.00	9		1,808	AS
0942	28974	Frisco Campground Parking B	Adjacent to Route 0227	To Parking	0.00	0.00	0.00	9		1,349	AS
0943	35783	Coast Guard Access Road Parking	Adjacent to NC State Route 12 in Hatteras near Ferry to Ocracoke Island	To Parking	0.00	0.00	0.00	9		15,179	AS
				Totals:	25.53	22.28	**47.81**			2,110,430	

NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:
Red text denotes approx. mileage

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

General Park Road Functional Classification Table

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

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

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

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

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

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

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

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

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

****

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

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

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

Surface Type Abbreviations:

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

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

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

Southeast Region
CAHA : Cape Hatteras National Seashore

ROUTE: 0010 Bodie Island Entrance Road **TOTAL LENGTH: 5.28 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)	24	21	21	22	21
Lane Width (ft)	12	11	11	11	11
Shoulder Width (ft)	11	2	2	2	2
Roadway Condition Information					
PCR (Pavement Condition Rating)	93	87	91	90	87
RCI (Roughness Condition Index)	98	94	94	97	96
SCR (Surface Condition Rating)	90	83	88	86	82
Alligator Cracking Index	100	100	100	100	100
Rutting Index	91	84	88	86	83
Patching Index	99	98	100	99	99
Tranverse Cracking Index	99	99	99	99	99
Longitudinal Cracking Index	99	99	100	99	99
Shoulder Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD
Drainage Condition Rating	GOOD	GOOD	GOOD	GOOD	GOOD

* NC designates data not collected NA designates not applicable

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

ROUTE: 0010 Bodie Island Entrance Road

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

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

Southeast Region
CAHA : Cape Hatteras National Seashore

ROUTE: 0010 Bodie Island Entrance Road **TOTAL LENGTH: 5.28 Miles**

Section Number	5				
Section Length (mi)	0.28				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width (ft)	2				
Roadway Condition Information					
PCR (Pavement Condition Rating)	82				
RCI (Roughness Condition Index)	98				
SCR (Surface Condition Rating)	72				
Alligator Cracking Index	100				
Rutting Index	74				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

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

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

Southeast Region
CAHA : Cape Hatteras National Seashore

ROUTE: 0011 S. Old Oregon Inlet Road **TOTAL LENGTH: 0.17 Miles**

Section Number	0				
Section Length (mi)	0.17				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	75				
RCI (Roughness Condition Index)	92				
SCR (Surface Condition Rating)	68				
Alligator Cracking Index	100				
Rutting Index	68				
Patching Index	100				
Tranverse Cracking Index	100				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

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

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

Southeast Region

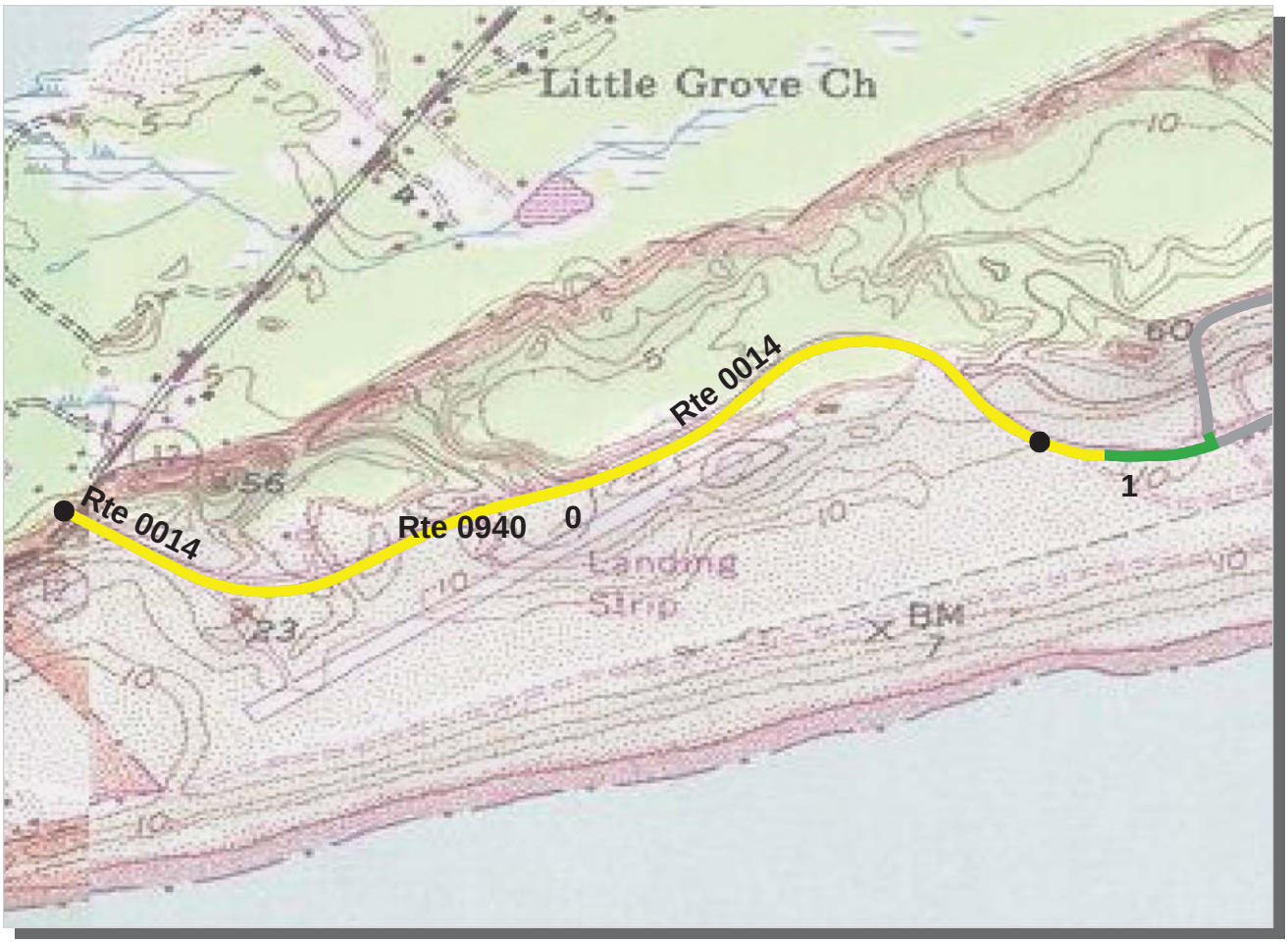
CAHA : Cape Hatteras National Seashore

ROUTE: 0012 Lighthouse Road **TOTAL LENGTH: 2.67 Miles**

Section Number	0	1	2		
Section Length (mi)	1.00	1.00	0.67		
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	21	20	20		
Lane Width (ft)	11	10	10		
Shoulder Width (ft)	2	2	2		
Roadway Condition Information					
PCR (Pavement Condition Rating)	79	92	85		
RCI (Roughness Condition Index)	94	99	91		
SCR (Surface Condition Rating)	71	90	83		
Alligator Cracking Index	100	100	100		
Rutting Index	82	90	83		
Patching Index	100	100	100		
Tranverse Cracking Index	92	99	99		
Longitudinal Cracking Index	96	99	99		
Shoulder Condition Rating	GOOD	GOOD	GOOD		
Drainage Condition Rating	GOOD	GOOD	GOOD		

* NC designates data not collected NA designates not applicable

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



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

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

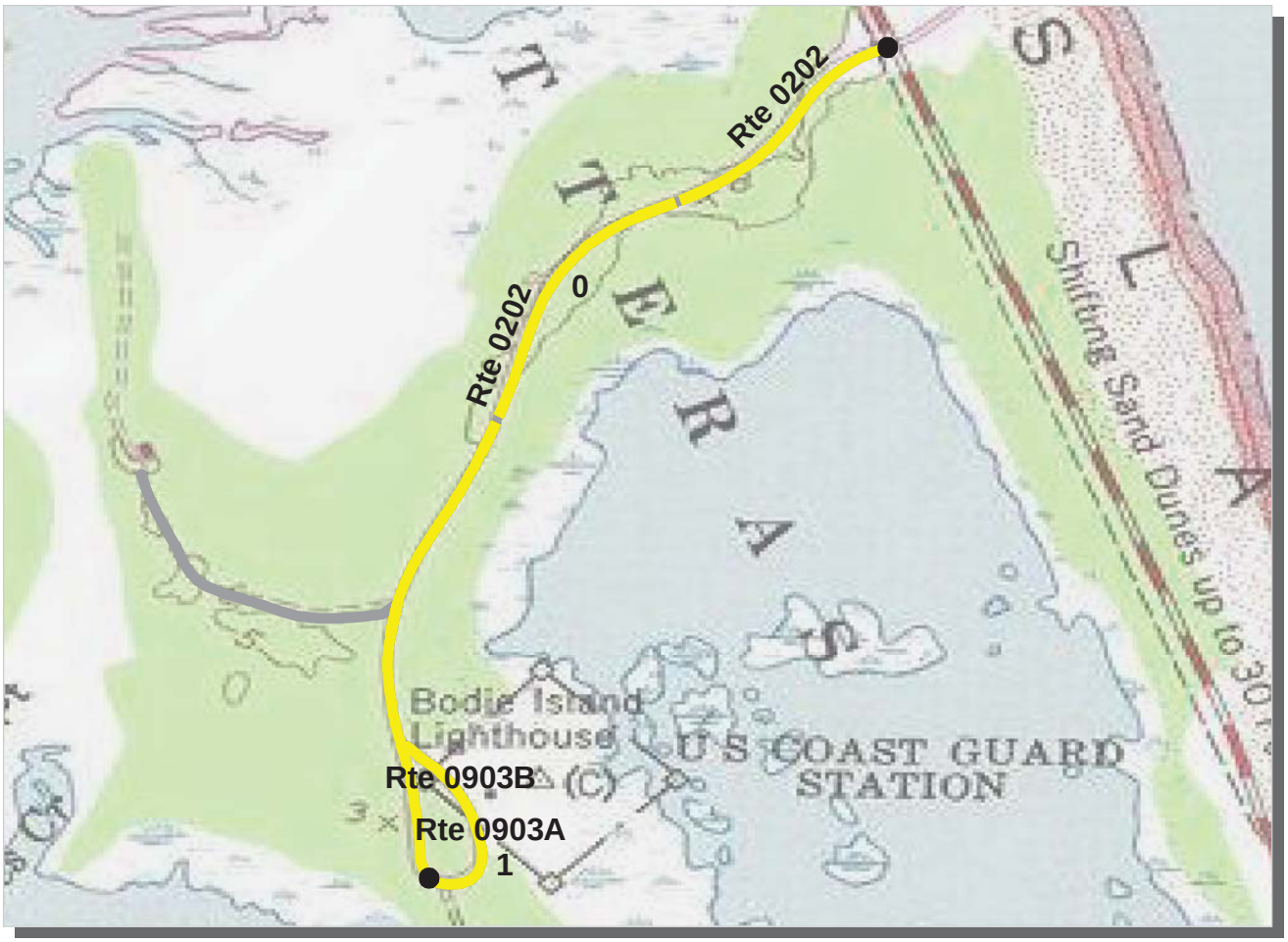
Southeast Region
CAHA : Cape Hatteras National Seashore

ROUTE: 0014 Frisco Campground Access / Billy Mitchell Road **TOTAL LENGTH: 1.17 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.17			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	22	21			
Lane Width (ft)	11	11			
Shoulder Width (ft)	0	0			
Roadway Condition Information					
PCR (Pavement Condition Rating)	81	93			
RCI (Roughness Condition Index)	83	51			
SCR (Surface Condition Rating)	81	95			
Alligator Cracking Index	100	100			
Rutting Index	81	95			
Patching Index	99	100			
Tranverse Cracking Index	99	100			
Longitudinal Cracking Index	99	100			
Shoulder Condition Rating	N/A	N/A			
Drainage Condition Rating	POOR	POOR			

* 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
CAHA : Cape Hatteras National Seashore

ROUTE: 0202 Bay Drive **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	2	1			
Paved Width (ft)	17	18			
Lane Width (ft)	9	18			
Shoulder Width (ft)	0	0			
Roadway Condition Information					
PCR (Pavement Condition Rating)	72	67			
RCI (Roughness Condition Index)	83	78			
SCR (Surface Condition Rating)	66	60			
Alligator Cracking Index	99	100			
Rutting Index	69	66			
Patching Index	100	100			
Tranverse Cracking Index	98	96			
Longitudinal Cracking Index	98	98			
Shoulder Condition Rating	N/A	N/A			
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

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

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

Southeast Region
CAHA : Cape Hatteras National Seashore

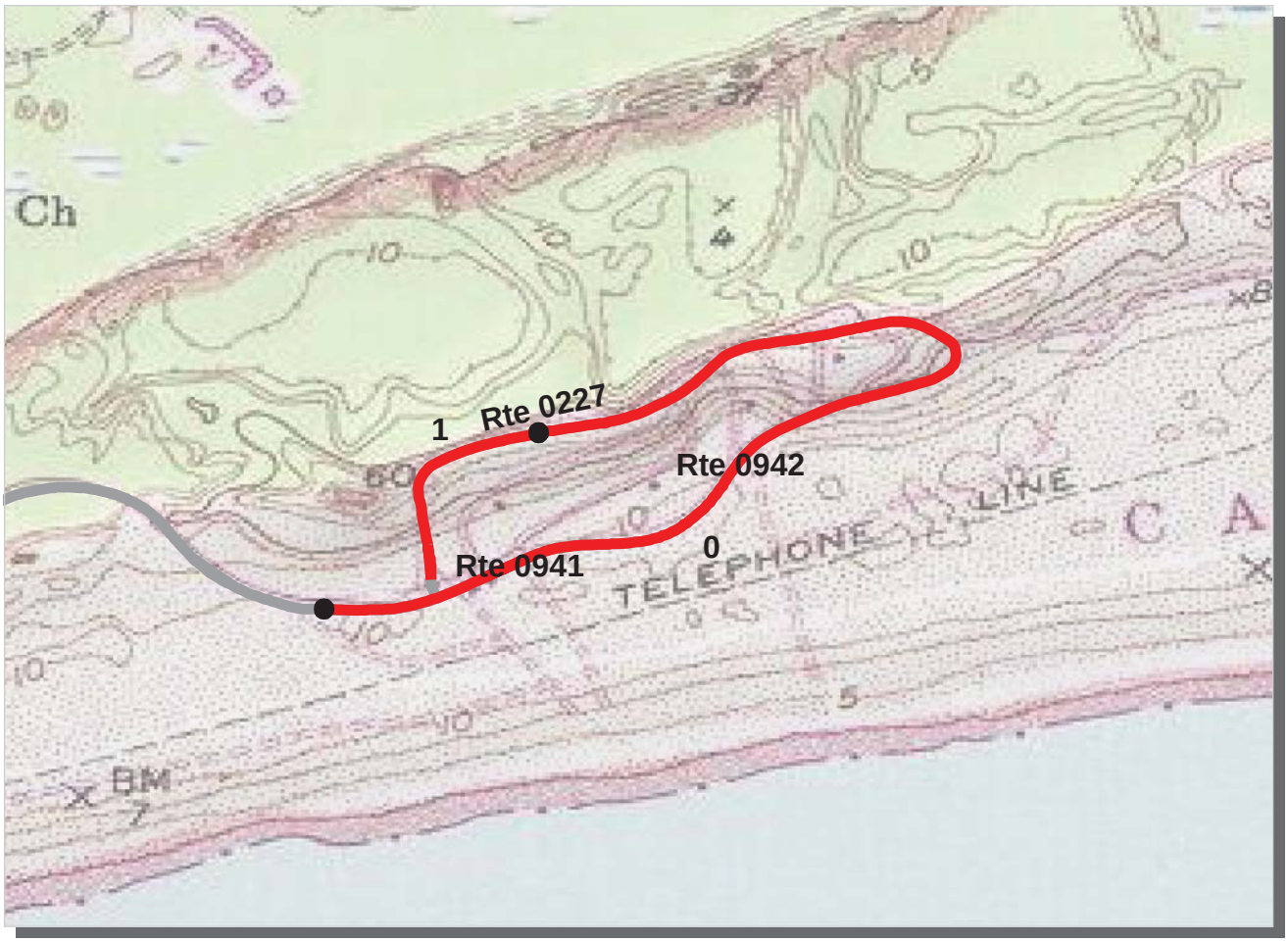
ROUTE: 0210 Pea Island Day Use Road **TOTAL LENGTH: 0.23 Miles**

Section Number	0				
Section Length (mi)	0.23				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	12				
Shoulder Width (ft)	14				
Roadway Condition Information					
PCR (Pavement Condition Rating)	14				
RCI (Roughness Condition Index)	53				
SCR (Surface Condition Rating)	5				
Alligator Cracking Index	93				
Rutting Index	31				
Patching Index	74				
Tranverse Cracking Index	83				
Longitudinal Cracking Index	93				
Shoulder Condition Rating	POOR				
Drainage Condition Rating	POOR				

* NC designates data not collected NA designates not applicable

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

ROUTE: 0210 Pea Island Day Use Road



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

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

Southeast Region
CAHA : Cape Hatteras National Seashore

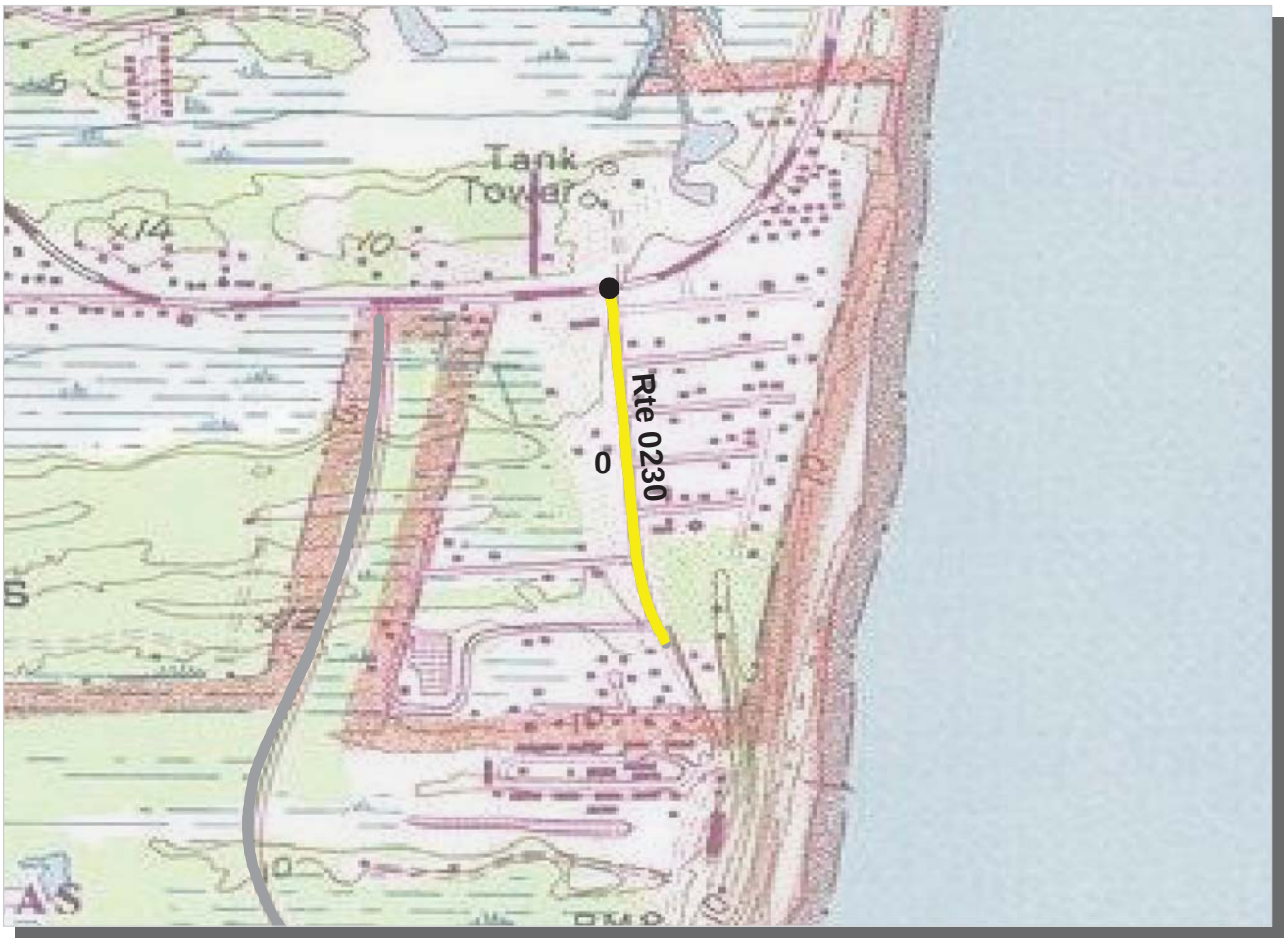
ROUTE: 0227 Frisco Campground Loop **TOTAL LENGTH: 1.24 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.24			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	1			
Paved Width (ft)	26	12			
Lane Width (ft)	10	12			
Shoulder Width (ft)	0	0			
Roadway Condition Information					
PCR (Pavement Condition Rating)	58	55			
RCI (Roughness Condition Index)	64	57			
SCR (Surface Condition Rating)	55	56			
Alligator Cracking Index	100	100			
Rutting Index	55	56			
Patching Index	99	100			
Tranverse Cracking Index	99	99			
Longitudinal Cracking Index	99	100			
Shoulder Condition Rating	N/A	N/A			
Drainage Condition Rating	N/C	N/C			

* NC designates data not collected NA designates not applicable

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

ROUTE: 0227 Frisco Campground Loop



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

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

Southeast Region

CAHA : Cape Hatteras National Seashore

ROUTE: 0230 Coast Guard Access At Hatteras **TOTAL LENGTH: 0.38 Miles**

Section Number	0				
Section Length (mi)	0.38				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	68				
RCI (Roughness Condition Index)	85				
SCR (Surface Condition Rating)	63				
Alligator Cracking Index	100				
Rutting Index	64				
Patching Index	99				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* 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
CAHA : Cape Hatteras National Seashore

ROUTE: 0240 Lighthouse Access Road **TOTAL LENGTH: 0.07 Miles**

Section Number	0				
Section Length (mi)	0.07				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
Shoulder Width (ft)	4				
Roadway Condition Information					
PCR (Pavement Condition Rating)	65				
RCI (Roughness Condition Index)	78				
SCR (Surface Condition Rating)	62				
Alligator Cracking Index	100				
Rutting Index	62				
Patching Index	100				
Tranverse Cracking Index	100				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	N/C				
Drainage Condition Rating	N/C				

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

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

Southeast Region

CAHA : Cape Hatteras National Seashore

ROUTE: 0241 Ocracoke Residence Road **TOTAL LENGTH: 0.08 Miles**

Section Number	0				
Section Length (mi)	0.08				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	8				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	42				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	42				
Alligator Cracking Index	98				
Rutting Index	50				
Patching Index	99				
Tranverse Cracking Index	98				
Longitudinal Cracking Index	96				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	N/C				

* NC designates data not collected NA designates not applicable

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

ROUTE: 0241 Ocracoke Residence 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
CAHA : Cape Hatteras National Seashore

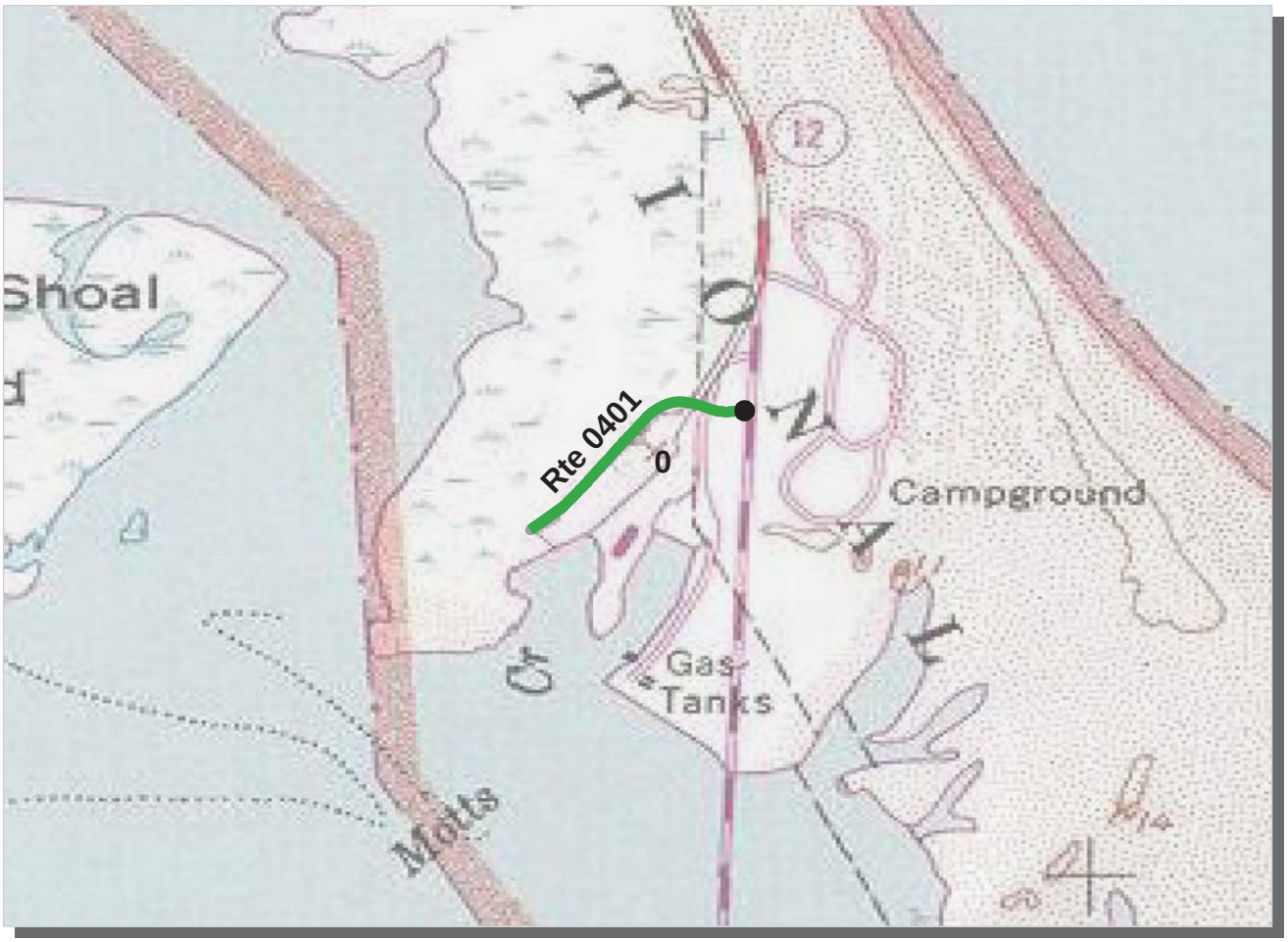
ROUTE: 0400 Park Service Road **TOTAL LENGTH: 0.39 Miles**

Section Number	0				
Section Length (mi)	0.39				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	9				
Shoulder Width (ft)	2				
Roadway Condition Information					
PCR (Pavement Condition Rating)	65				
RCI (Roughness Condition Index)	68				
SCR (Surface Condition Rating)	63				
Alligator Cracking Index	100				
Rutting Index	68				
Patching Index	99				
Tranverse Cracking Index	98				
Longitudinal Cracking Index	97				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	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: 0400 Park Service 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.

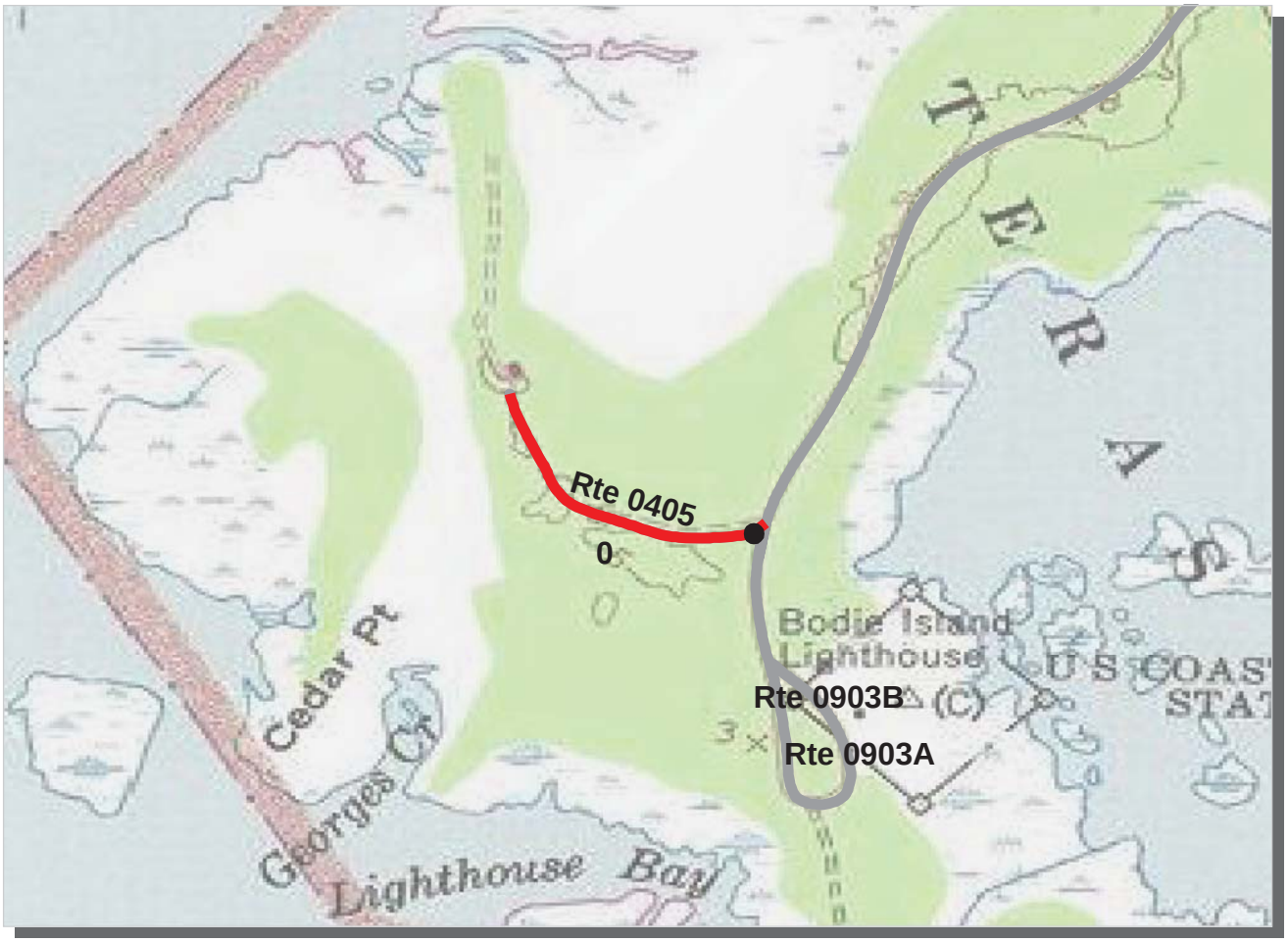
Southeast Region
CAHA : Cape Hatteras National Seashore

ROUTE: 0401 Oregon Island Coast Guard Access **TOTAL LENGTH: 0.25 Miles**

Section Number	0				
Section Length (mi)	0.25				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	86				
RCI (Roughness Condition Index)	99				
SCR (Surface Condition Rating)	85				
Alligator Cracking Index	100				
Rutting Index	85				
Patching Index	100				
Tranverse Cracking Index	100				
Longitudinal Cracking Index	99				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	GOOD				

* 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
CAHA : Cape Hatteras National Seashore

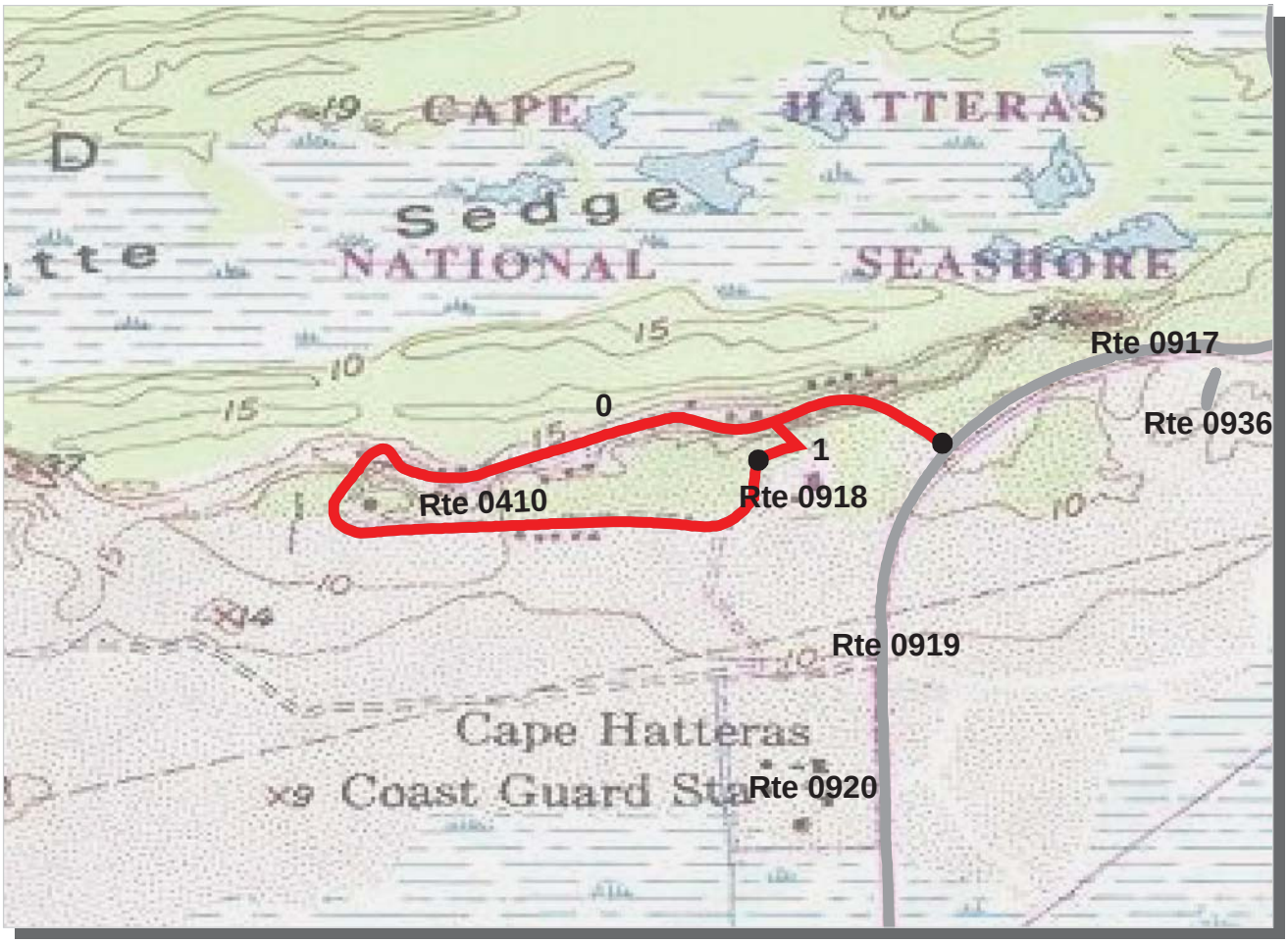
ROUTE: 0405 Bodie Island Sub District Bone Yard Road **TOTAL LENGTH: 0.30 Miles**

Section Number	0				
Section Length (mi)	0.30				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	7				
Lane Width (ft)	7				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	34				
RCI (Roughness Condition Index)	54				
SCR (Surface Condition Rating)	29				
Alligator Cracking Index	84				
Rutting Index	44				
Patching Index	100				
Tranverse Cracking Index	98				
Longitudinal Cracking Index	98				
Shoulder Condition Rating	N/A				
Drainage Condition Rating	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: 0405 Bodie Island Sub District Bone Yard Road



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

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

Southeast Region
CAHA : Cape Hatteras National Seashore

ROUTE: 0410 Loggerhead Lane **TOTAL LENGTH: 1.06 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.06			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	1			
Paved Width (ft)	17	9			
Lane Width (ft)	8	9			
Shoulder Width (ft)	0	0			
Roadway Condition Information					
PCR (Pavement Condition Rating)	55	41			
RCI (Roughness Condition Index)	78	-1			
SCR (Surface Condition Rating)	48	41			
Alligator Cracking Index	99	100			
Rutting Index	50	42			
Patching Index	99	100			
Tranverse Cracking Index	99	100			
Longitudinal Cracking Index	99	99			
Shoulder Condition Rating	N/A	N/A			
Drainage Condition Rating	POOR	POOR			

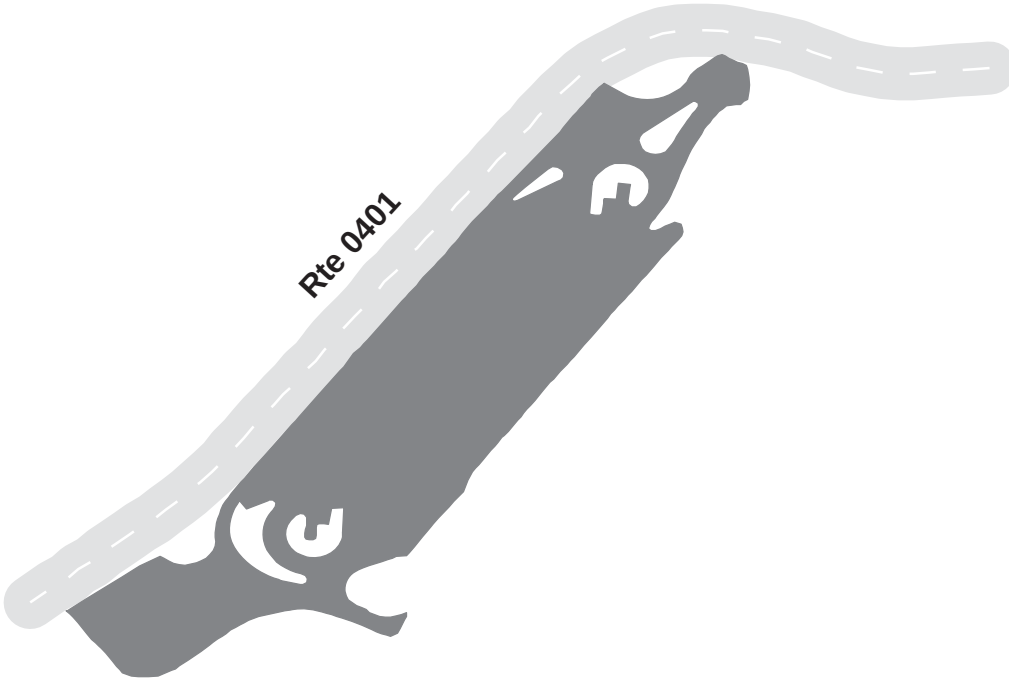
* NC designates data not collected NA designates not applicable

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

Cape Hatteras National Seashore
Route 0209
Oregon Inlet Small Boat Access And Parking
From Route 0401

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0209	1.11	0.00	129411	2.23	GOOD / 90	AS

* Lane miles are based on 11' lane widths

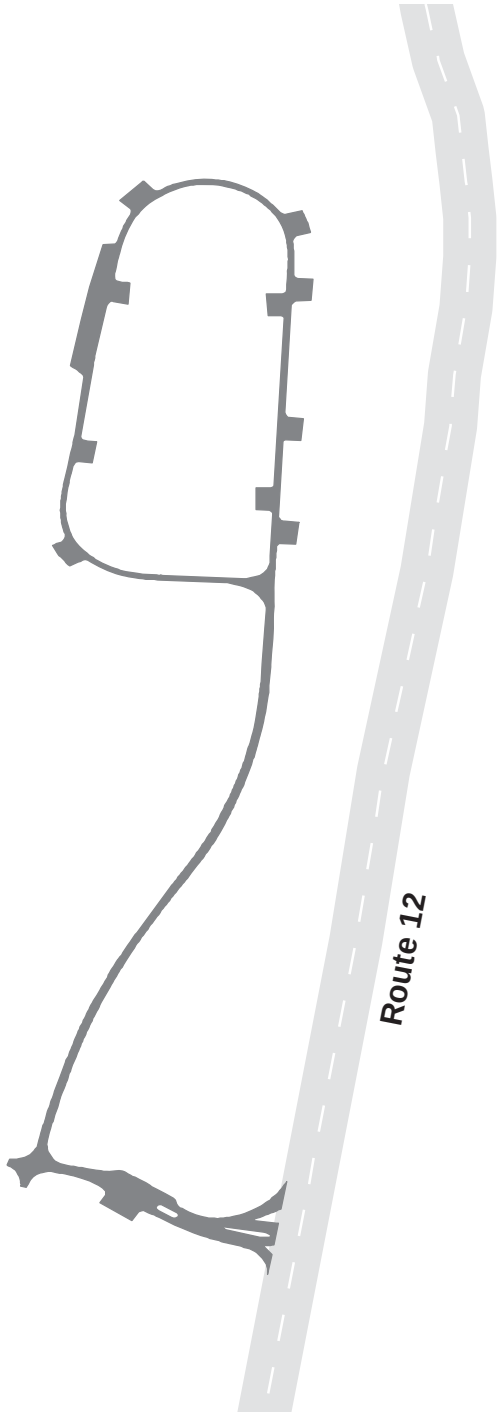


300 150 0 300
Feet

Cape Hatteras National Seashore
Route 0215
Salvo Day Use Access
From NC State Route 12

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0215	1.59	0.00	92575	1.59	GOOD / 90	AS

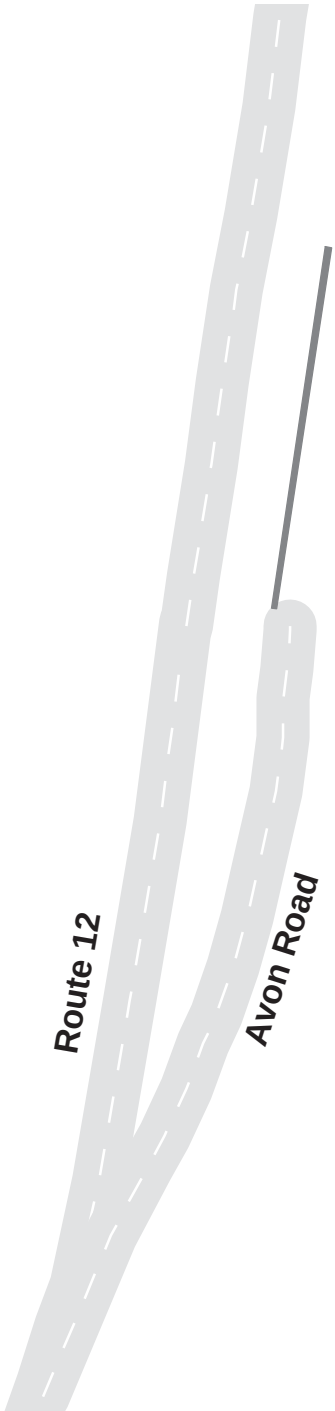
* Lane miles are based on 11' lane widths



Cape Hatteras National Seashore
Route 0223
Avon Road Relocation
From NC State Route 12

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0223	0.17	0.00	20167	0.35	FAIR / 73	AS

* Lane miles are based on 11' lane widths



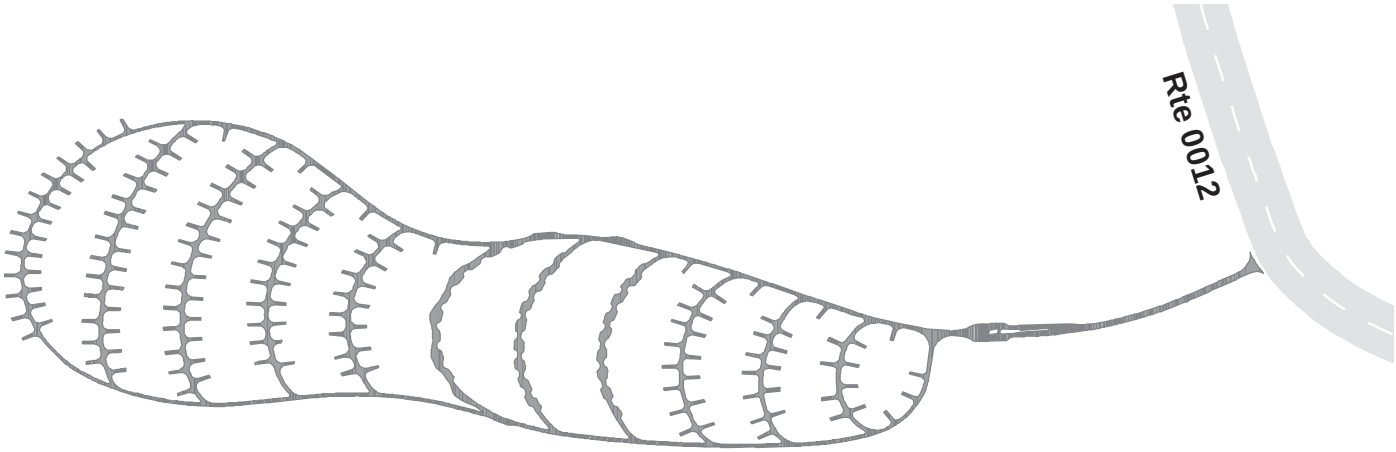
700 350 0 700
Feet

N

Cape Hatteras National Seashore
Route 0225
Cape Point Campground Perimeter Loop
From Route 0012 at MP 2.44

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0225	5.11	0.00	297326	5.12	GOOD / 90	AS

* Lane miles are based on 11' lane widths



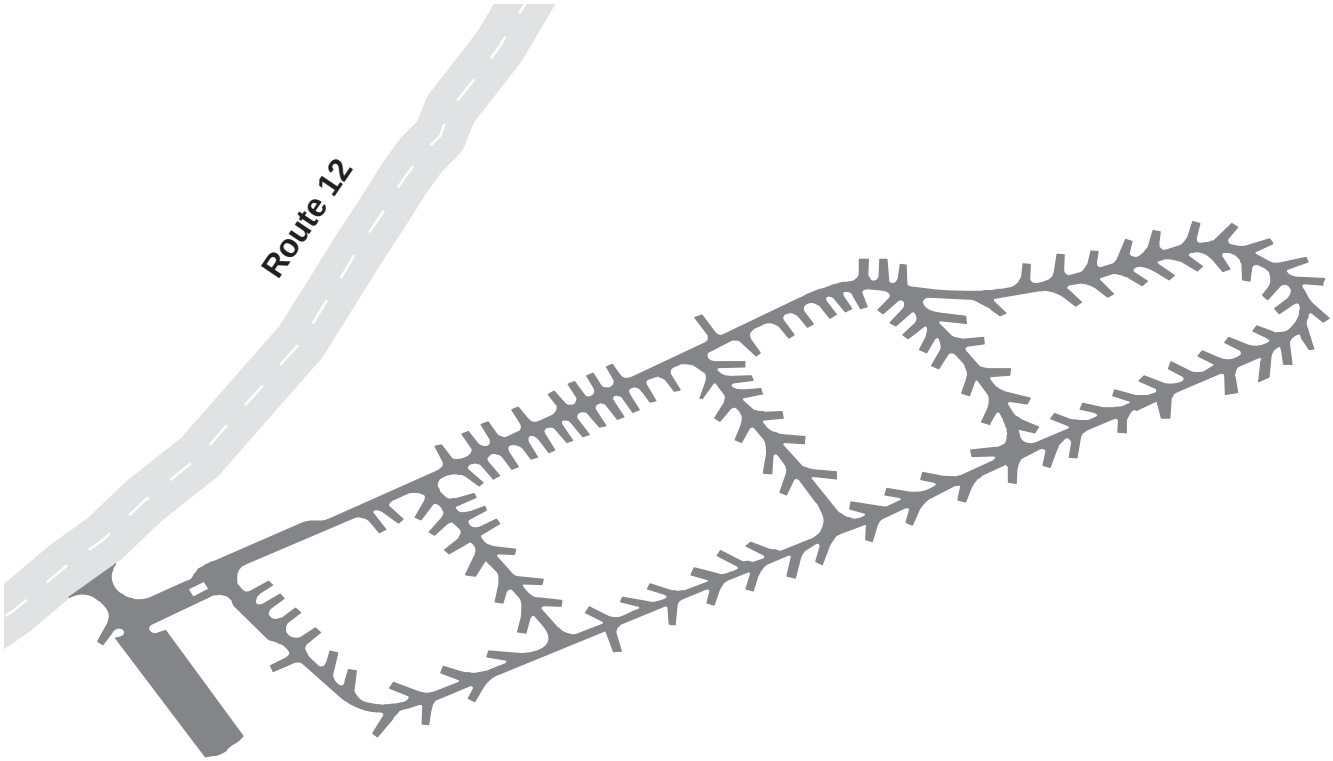
800 400 0 800
Feet

N

Cape Hatteras National Seashore
Route 0234
Okracoke Campground Perimeter Loop Road
From NC State Route 12

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0234	1.47	0.00	170406	2.93	GOOD / 90	AS

* Lane miles are based on 11' lane widths



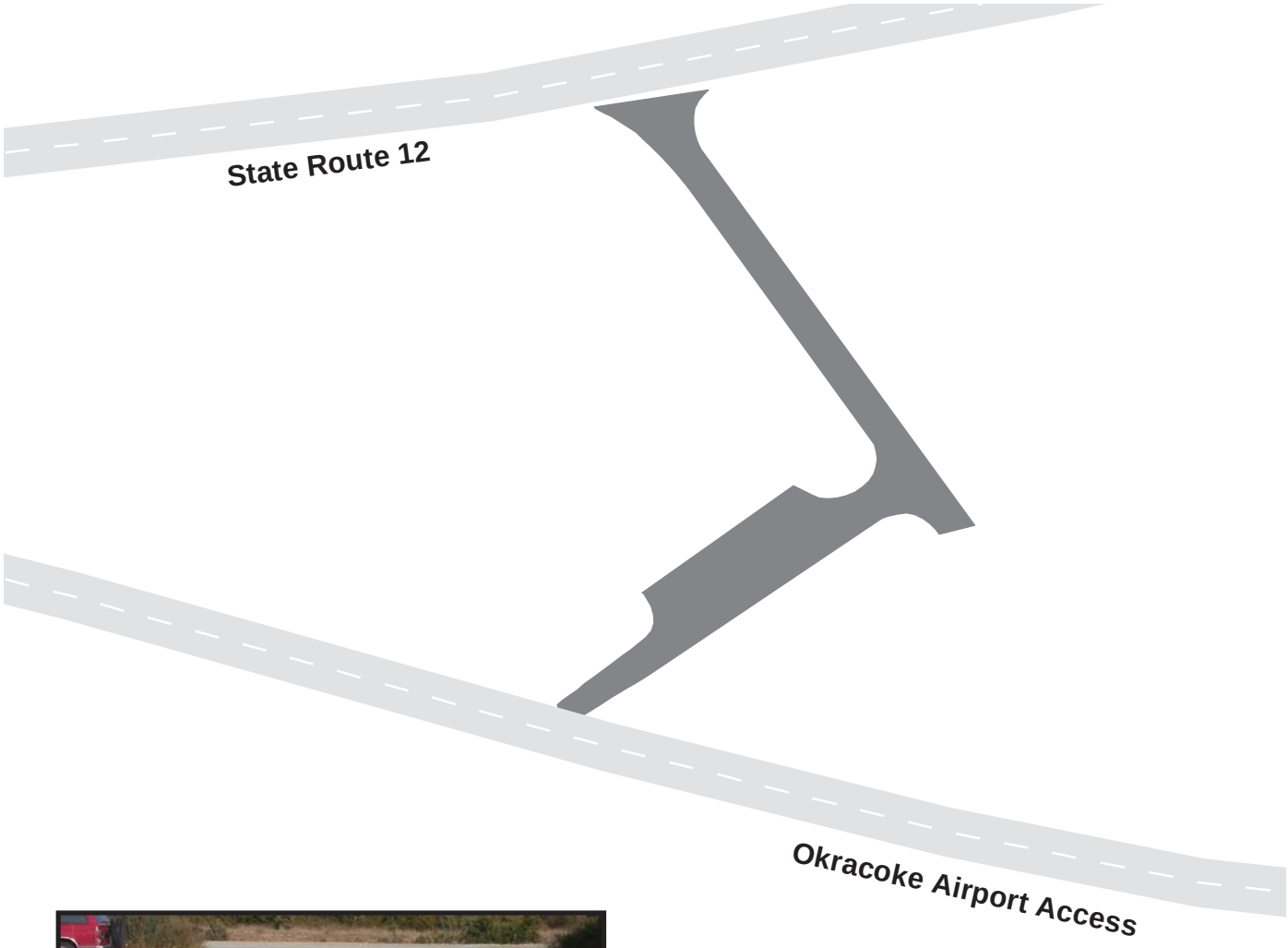
400 200 0 400
Feet

N

Cape Hatteras National Seashore
Route 0237
Ramp 52 Parking Area Access
From Okracoke Airport Access

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0237	1.11	0.00	12400	0.21	GOOD / 90	AS

* Lane miles are based on 11' lane widths



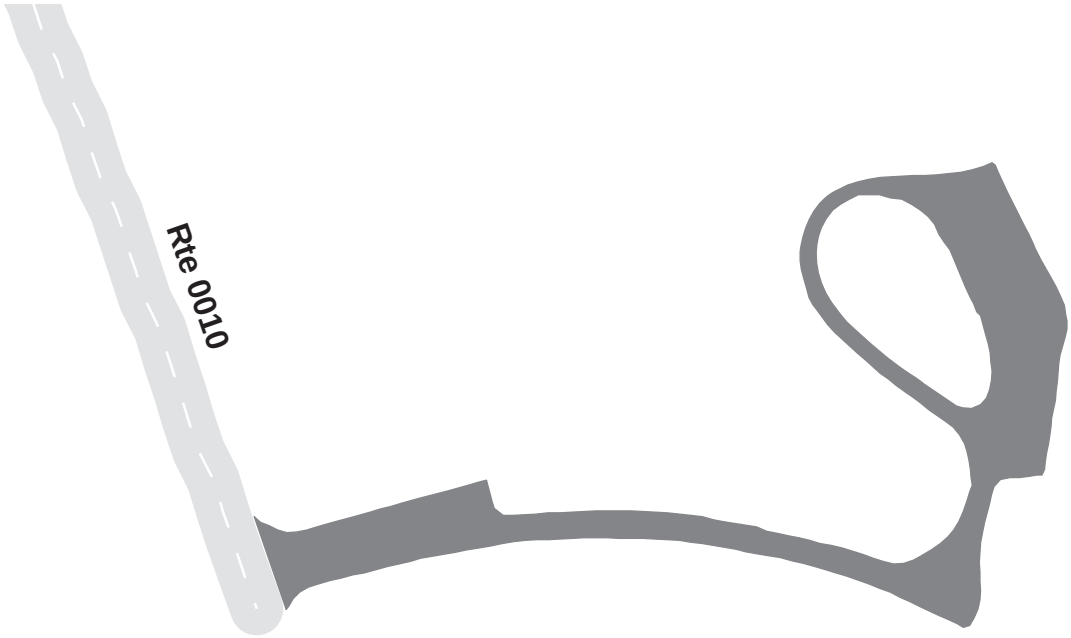
150 75 0 150
Feet

N

Cape Hatteras National Seashore
Route 0404
Ranger Station At Coquina Beach Access
From End of Route 0010 on Left

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0404	0.14	0.00	16807	0.29	POOR / 45	AS

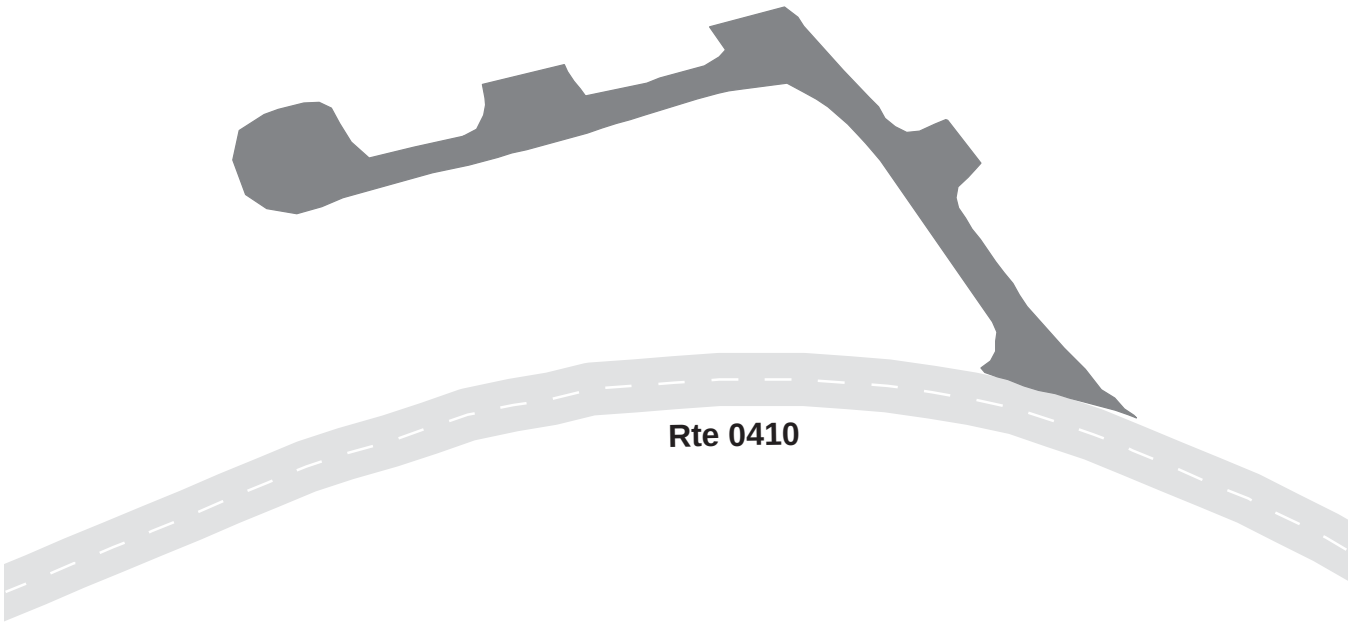
* Lane miles are based on 11' lane widths



Cape Hatteras National Seashore
Route 0411
Cabin Road
From Route 0410

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0411	0.07	0.00	8173	0.14	GOOD / 90	AS

* Lane miles are based on 11' lane widths



100 50 0 100
Feet

N

Cape Hatteras National Seashore
Route 0417
Okracoke Residence Access
From Okracoke Town Road

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0417	0.26	0.00	15334	0.26	GOOD / 90	AS

* Lane miles are based on 11' lane widths

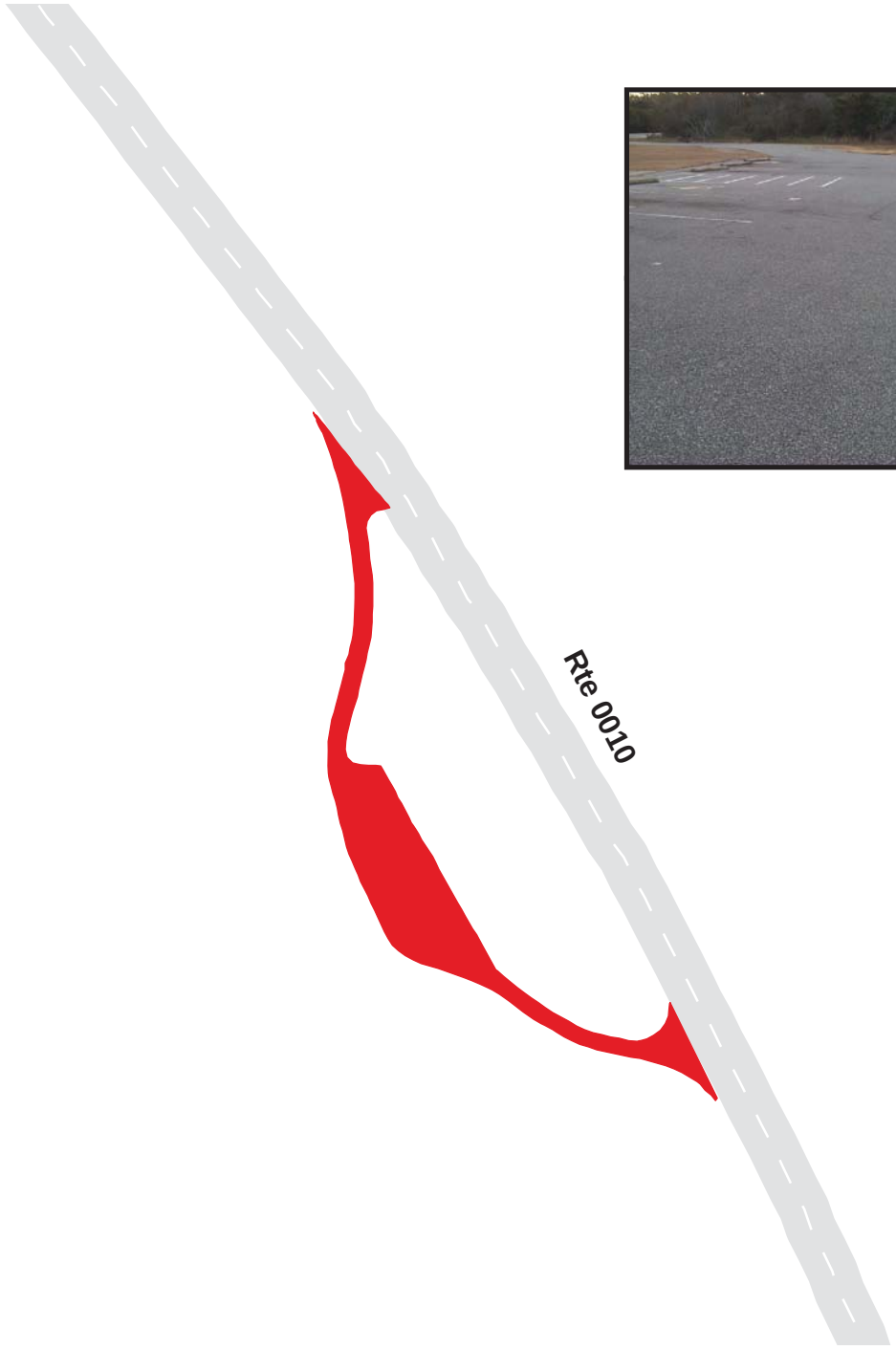
150 75 0 150
Feet

N

Cape Hatteras National Seashore
Route 0901
Whalebone Information Station Access
From Route 0010 at MP 0.1

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901	Public	5/20/1999	14101	0.24	AS	GOOD / 90

* Lane miles are based on 11' lane widths



200 100 0 200 Feet

N

Cape Hatteras National Seashore
Route 0902
Bodie Island Maintenance Area
From Route 0400

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0902	NonPublic	5/21/1999	45140	0.78	AS	FAIR / 73

* Lane miles are based on 11' lane widths

Rte 0400

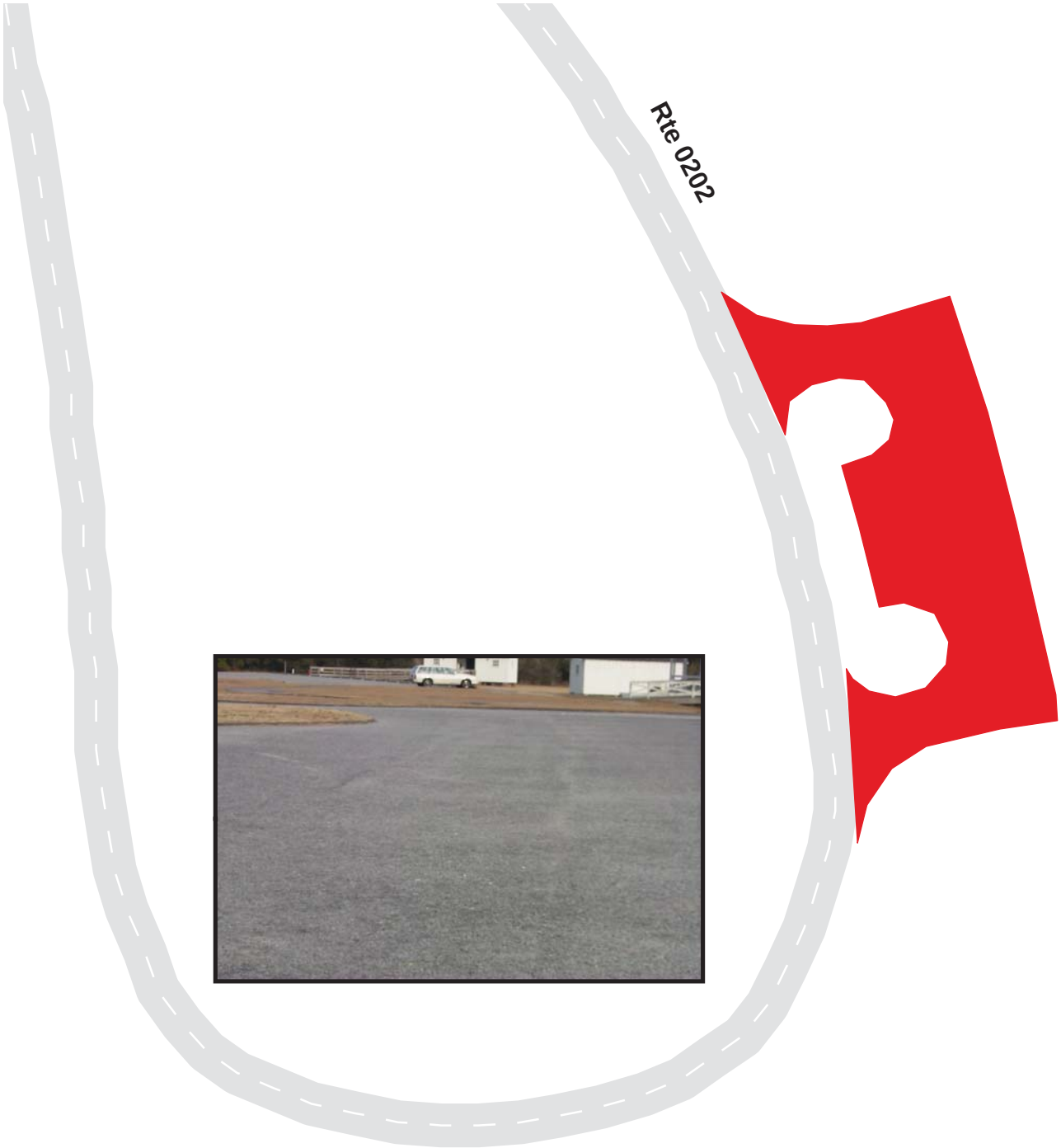
200 100 0 200 Feet

N

Cape Hatteras National Seashore
Route 0903A
Bodie Island Lighthouse Parking Area A
From Route 0202

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903A	Public	5/21/1999	11264	0.19	AS	POOR / 45

* Lane miles are based on 11' lane widths



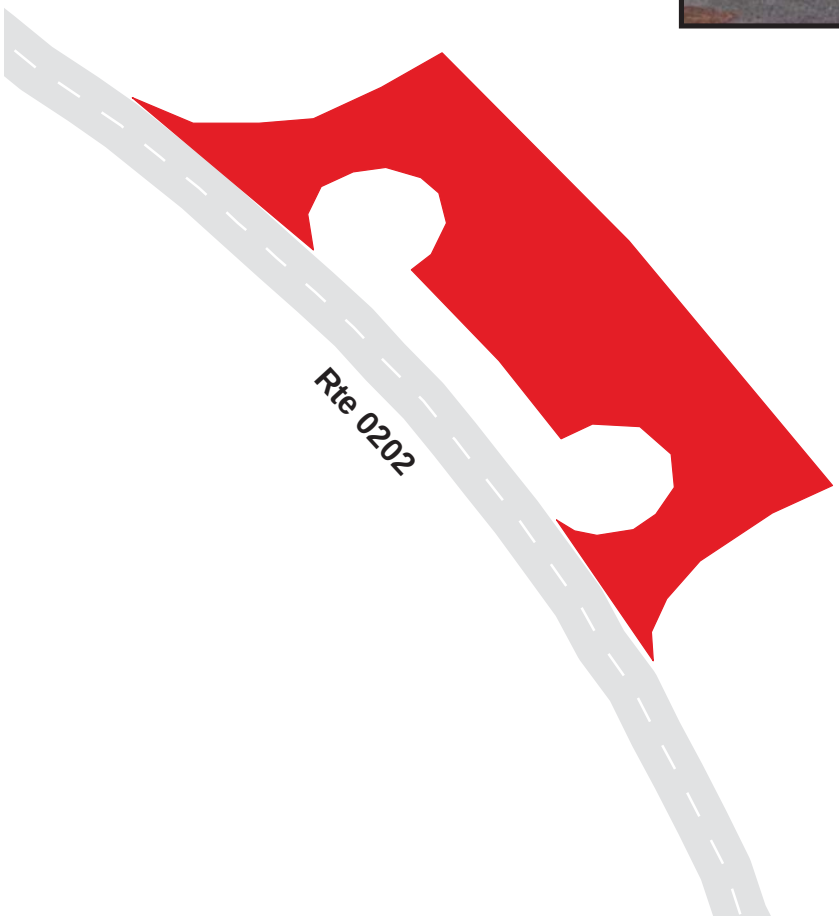
100 50 0 100 Feet

N

Cape Hatteras National Seashore
Route 0903B
Bodie Island Lighthouse Parking Area B
From Route 0202

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903B	Public	5/21/1999	11016	0.19	AS	POOR / 45

* Lane miles are based on 11' lane widths



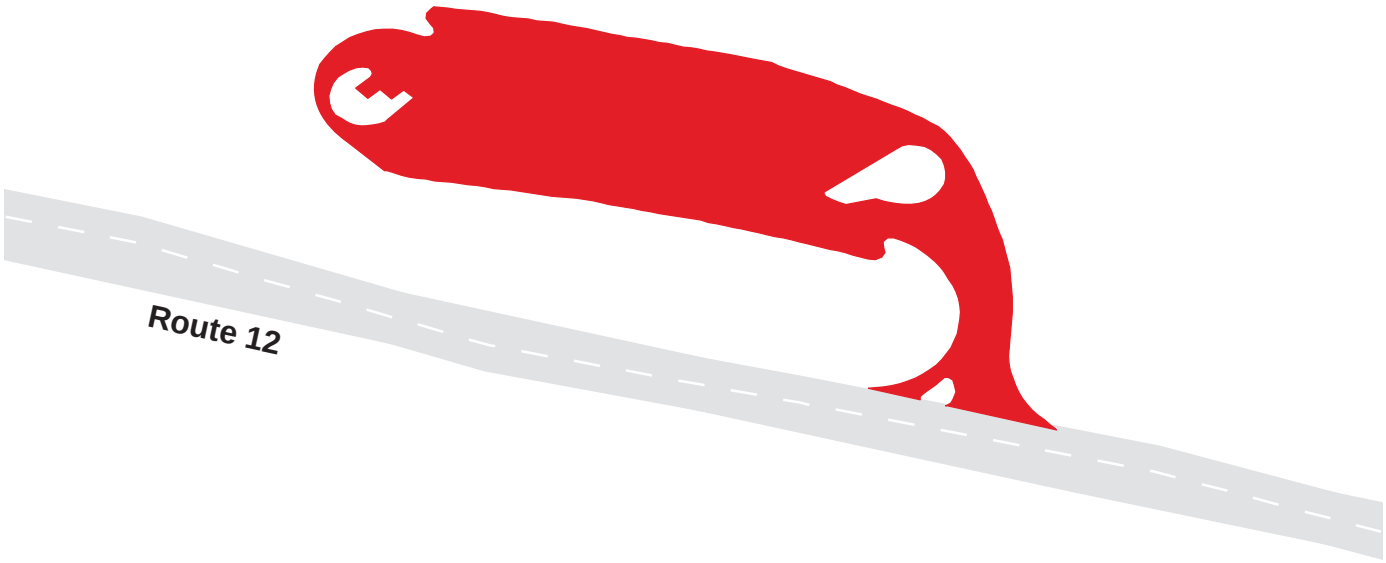
100 50 0 100 Feet

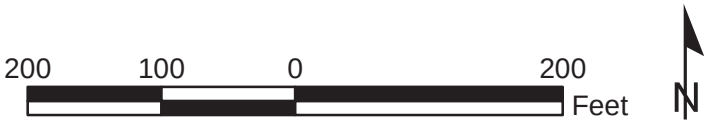
N

Cape Hatteras National Seashore
Route 0906
Oregon Inlet Bridge Parking Access
From NC State Route 12

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0906	Public	5/21/1999	48562	0.84	AS	FAIR / 73

* Lane miles are based on 11' lane widths





Cape Hatteras National Seashore
Route 0907
Turnout Mp 10
From NC State Route 12

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0907	Public	5/20/1999	6939	0.12	AS	GOOD / 90

* Lane miles are based on 11' lane widths

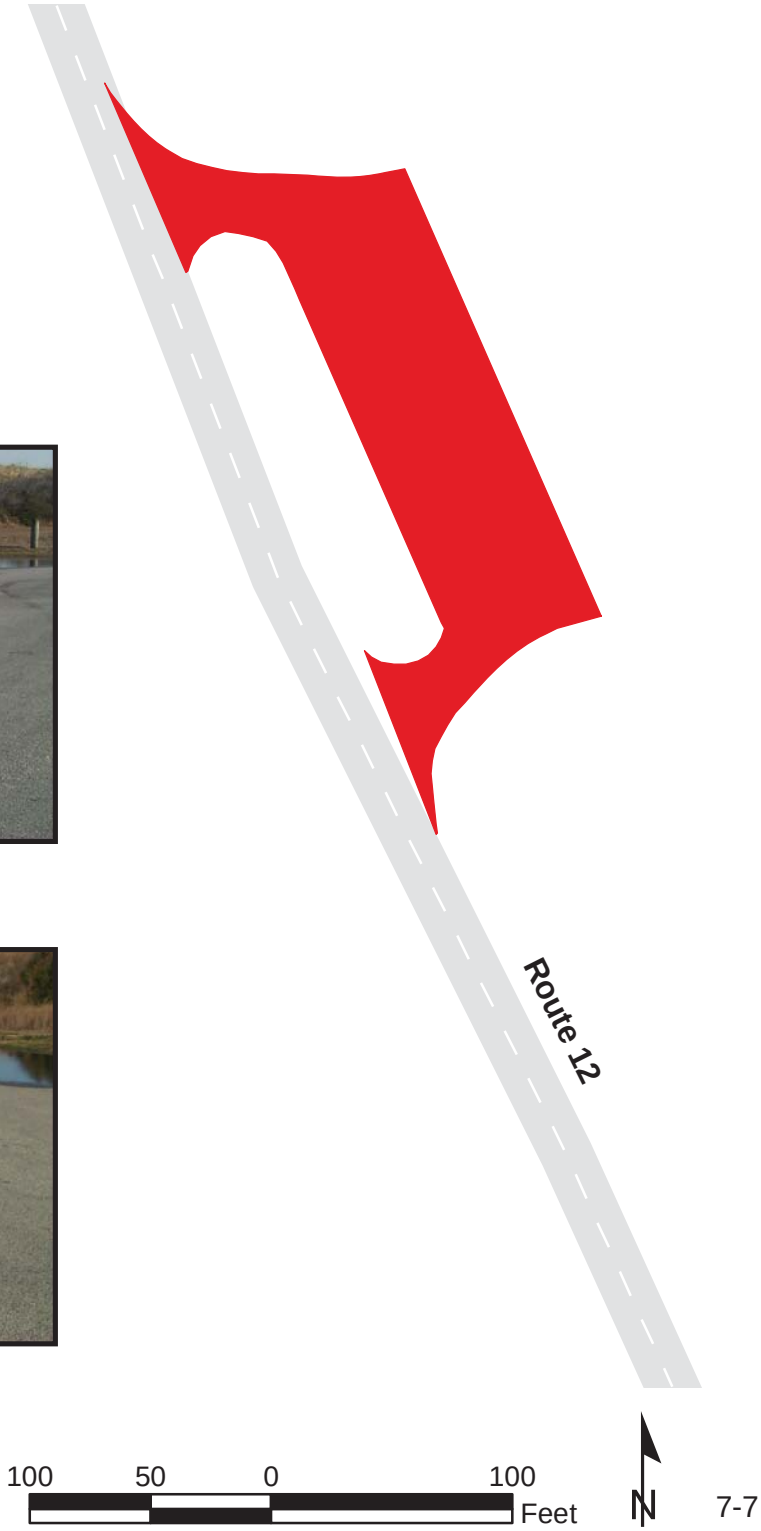
100 50 0 100 Feet

N

Cape Hatteras National Seashore
Route 0908
Pea Island Observation Turnout No 2
From NC State Route 12

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0908	Public	5/20/1999	13066	0.22	OC	FAIR / 73

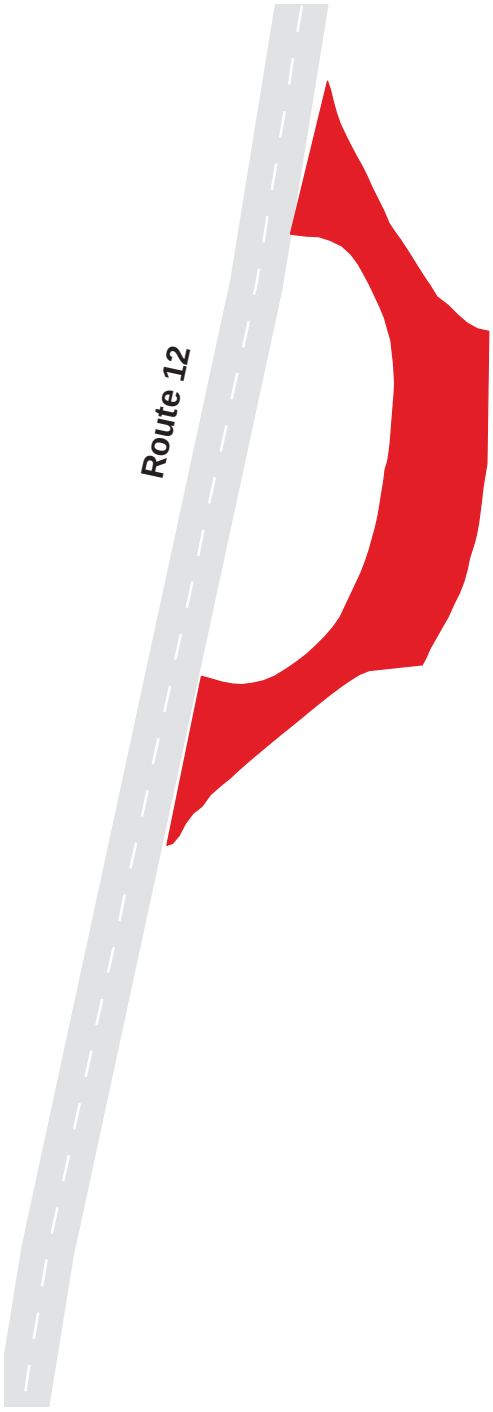
* Lane miles are based on 11' lane widths

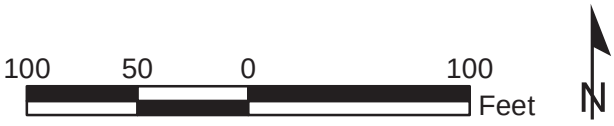


Cape Hatteras National Seashore
Route 0909
Salvo Campground Turnout
From NC State Route 12

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0909	Public	5/20/1999	10012	0.17	AS	FAIR / 73

* Lane miles are based on 11' lane widths

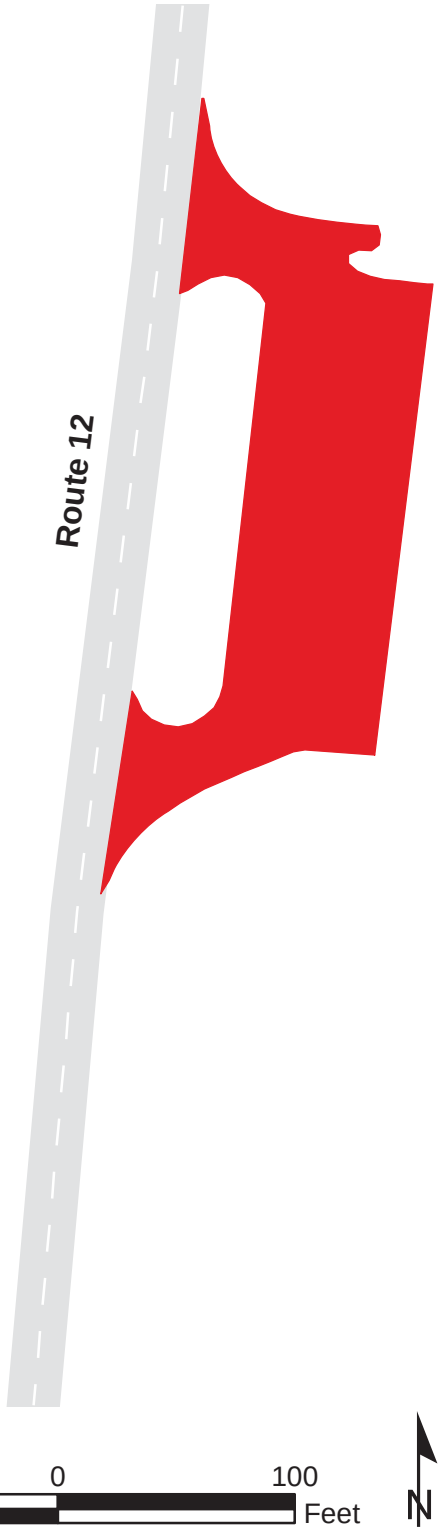




Cape Hatteras National Seashore
Route 0910
Turnout Mp 28
From NC State Route 12

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0910	Public	5/20/1999	14964	0.26	AS	GOOD / 90

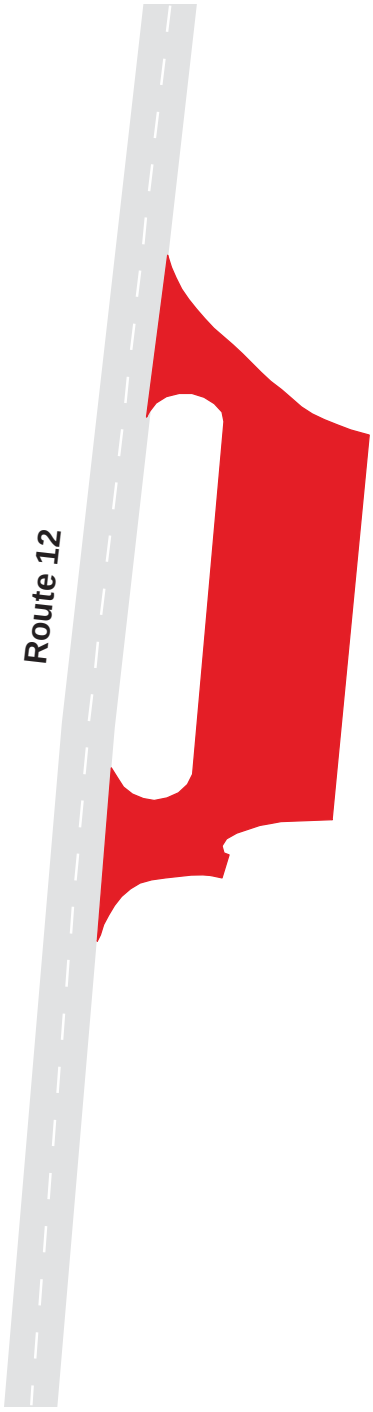
* Lane miles are based on 11' lane widths



Cape Hatteras National Seashore
Route 0911
Turnout Mp 30
From NC State Route 12

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0911	Public	5/20/1999	13936	0.24	AS	GOOD / 90

* Lane miles are based on 11' lane widths



100 50 0 100
Feet

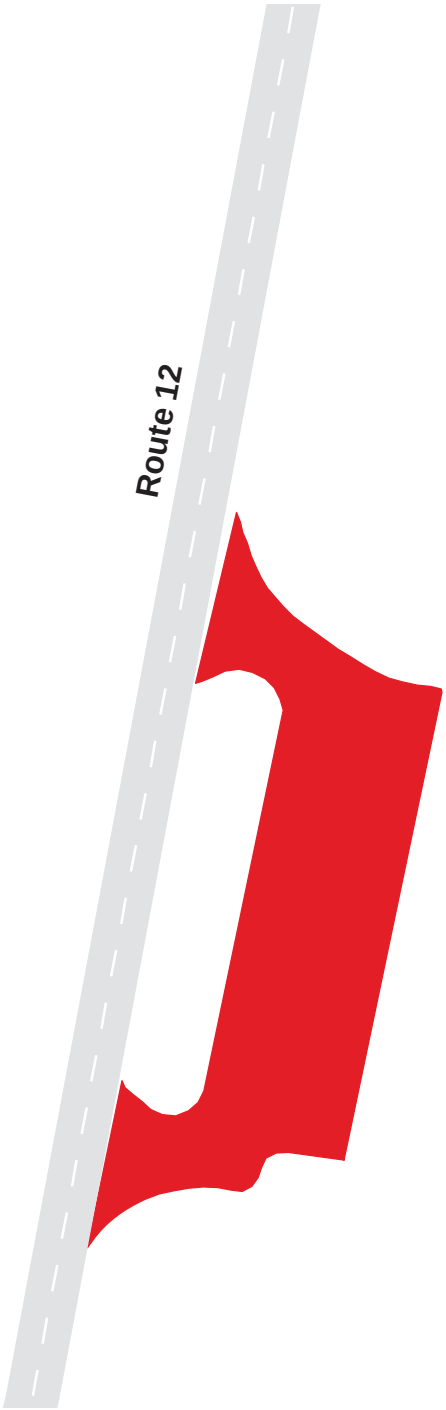
N

7-10

Cape Hatteras National Seashore
Route 0912
Turnout Mp 34
From NC State Route 12

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0912	Public	5/20/1999	13865	0.24	AS	GOOD / 90

* Lane miles are based on 11' lane widths



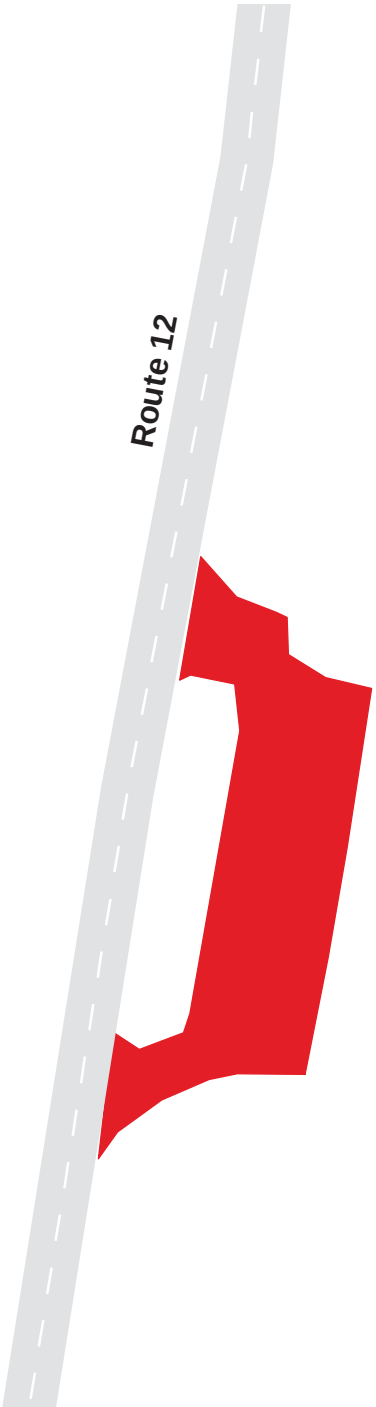
100 50 0 100
Feet

N

Cape Hatteras National Seashore
Route 0913
Turnout Ramp 38
From NC State Route 12 just past Avon City Limits

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0913	Public	1/17/2002	13378	0.23	AS	GOOD / 90

* Lane miles are based on 11' lane widths



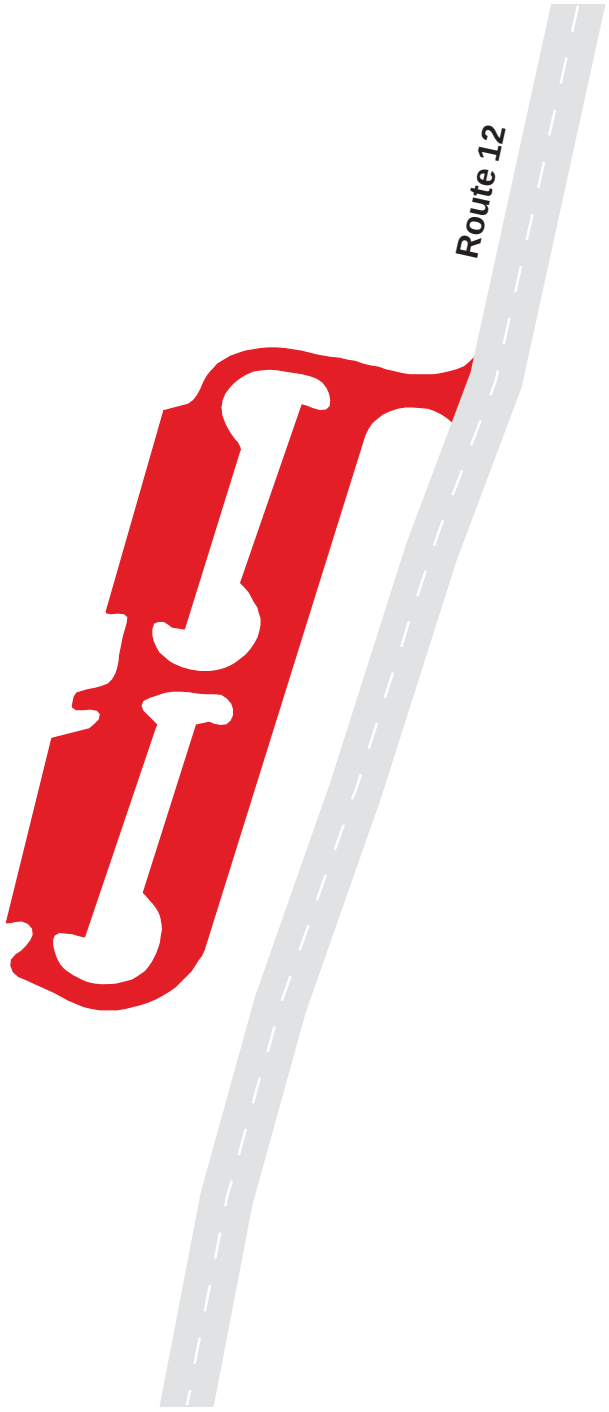
100 50 0 100
Feet

N

Cape Hatteras National Seashore
Route 0914
Canidian Hole Parking
Parking along NC State Route 12

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0914	Public	5/20/1999	48554	0.84	AS	GOOD / 90

* Lane miles are based on 11' lane widths



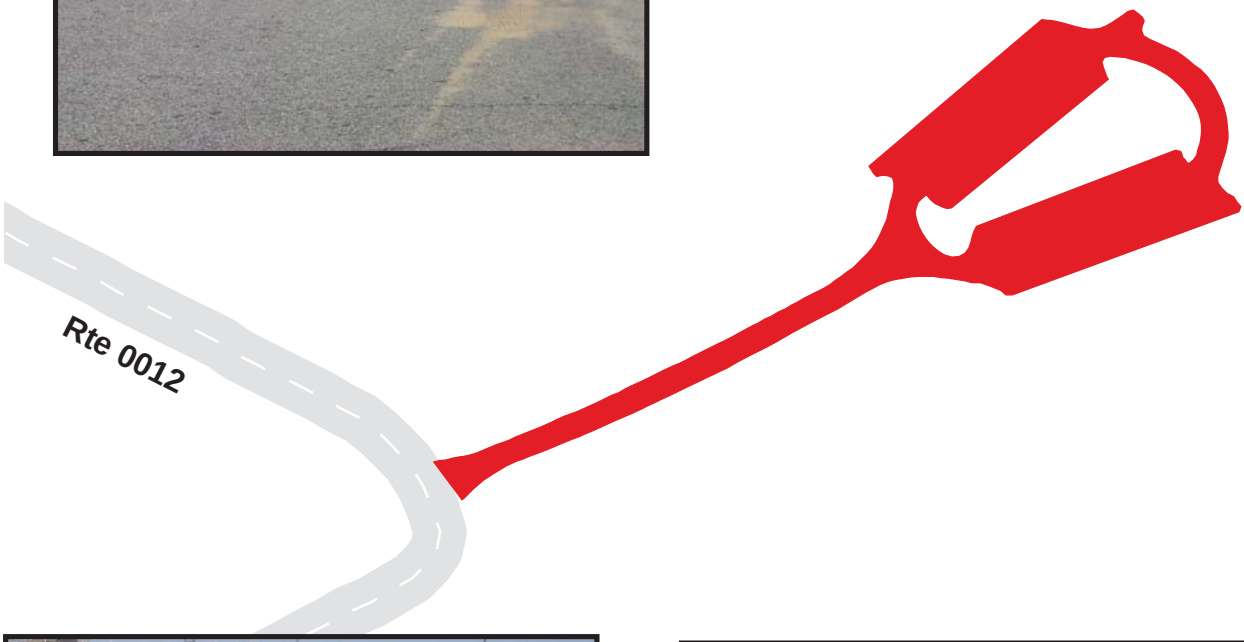
200 100 0 200
Feet

N

Cape Hatteras National Seashore
Route 0916
Old Lighthouse Parking
From Route 0012 MP 0.88

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0916	Public	5/22/1999	33604	0.58	AS	FAIR / 73

* Lane miles are based on 11' lane widths



200 100 0 200
Feet

N

Cape Hatteras National Seashore
Route 0917
Buxton Woods Trailhead Parking
From North side of Route 0012 at MP 1.2

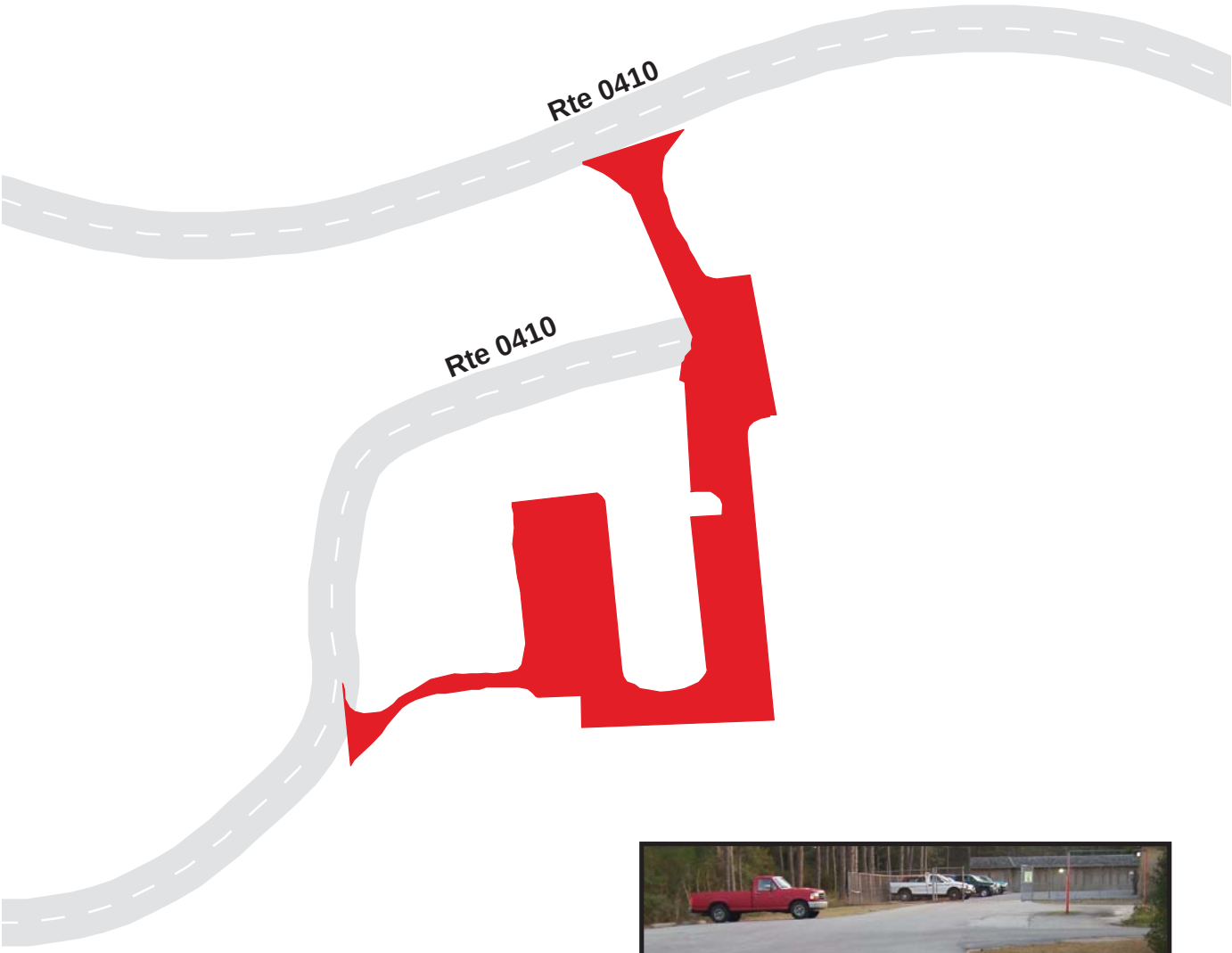
Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0917	Public	5/22/1999	10295	0.18	AS	GOOD / 90

* Lane miles are based on 11' lane widths

Cape Hatteras National Seashore
Route 0918
Buxton Maintenance Access
From Route 410 to Maintenance Area

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0918	NonPublic	5/22/1999	28565	0.49	AS	GOOD / 90

* Lane miles are based on 11' lane widths



150 75 0 150
Feet

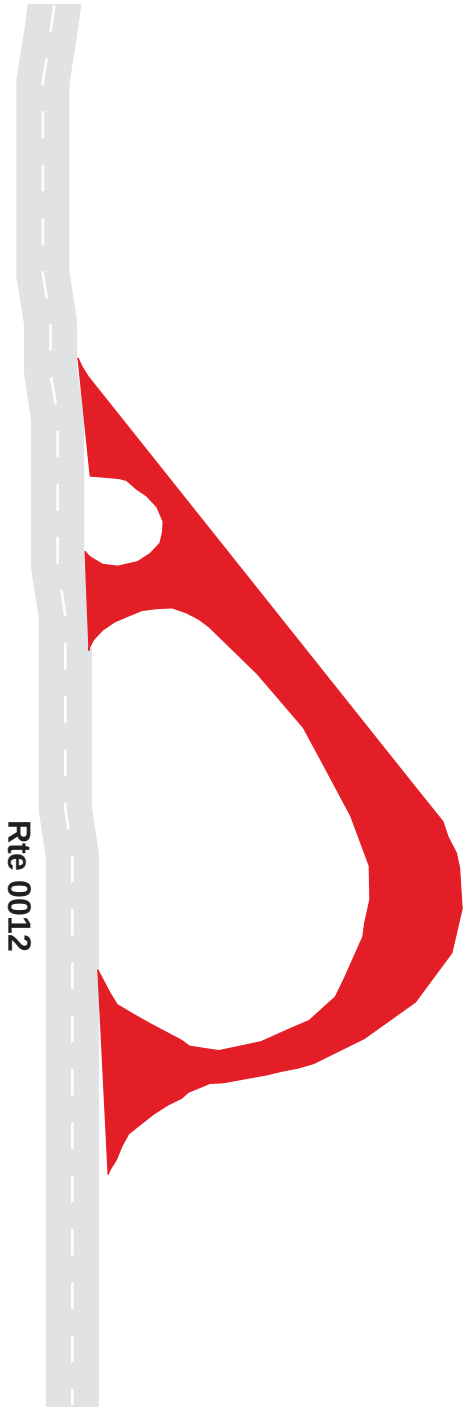
N

7-16

Cape Hatteras National Seashore
Route 0919
Buxton Woods Dump Station
From East Side of Route 0012 at MP 1.6

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0919	NonPublic	5/22/1999	7667	0.13	AS	FAIR / 73

* Lane miles are based on 11' lane widths



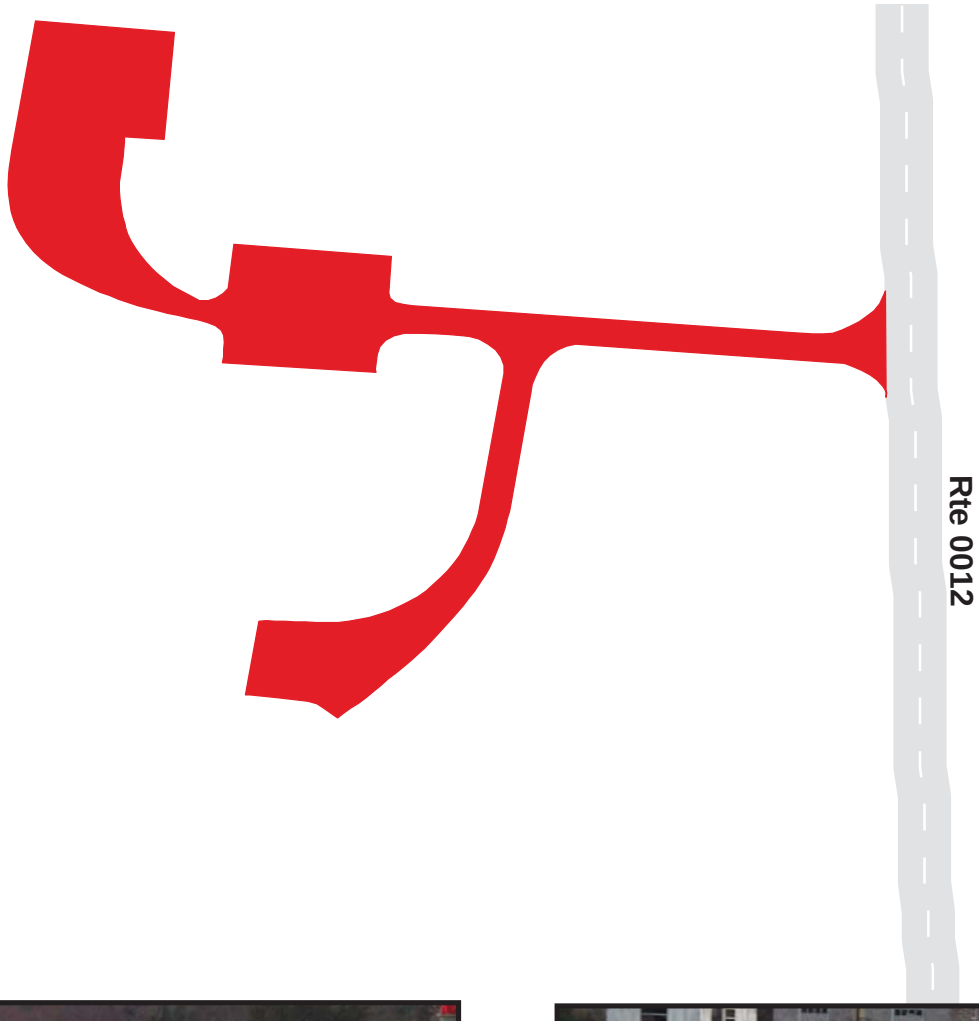
100 50 0 100 Feet

N

Cape Hatteras National Seashore
Route 0920
Cape Hatteras Ranger Station Parking
From West Side of Route 0012 at MP 1.75

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0920	Public	5/22/1999	29829	0.51	AS	FAIR / 73

* Lane miles are based on 11' lane widths



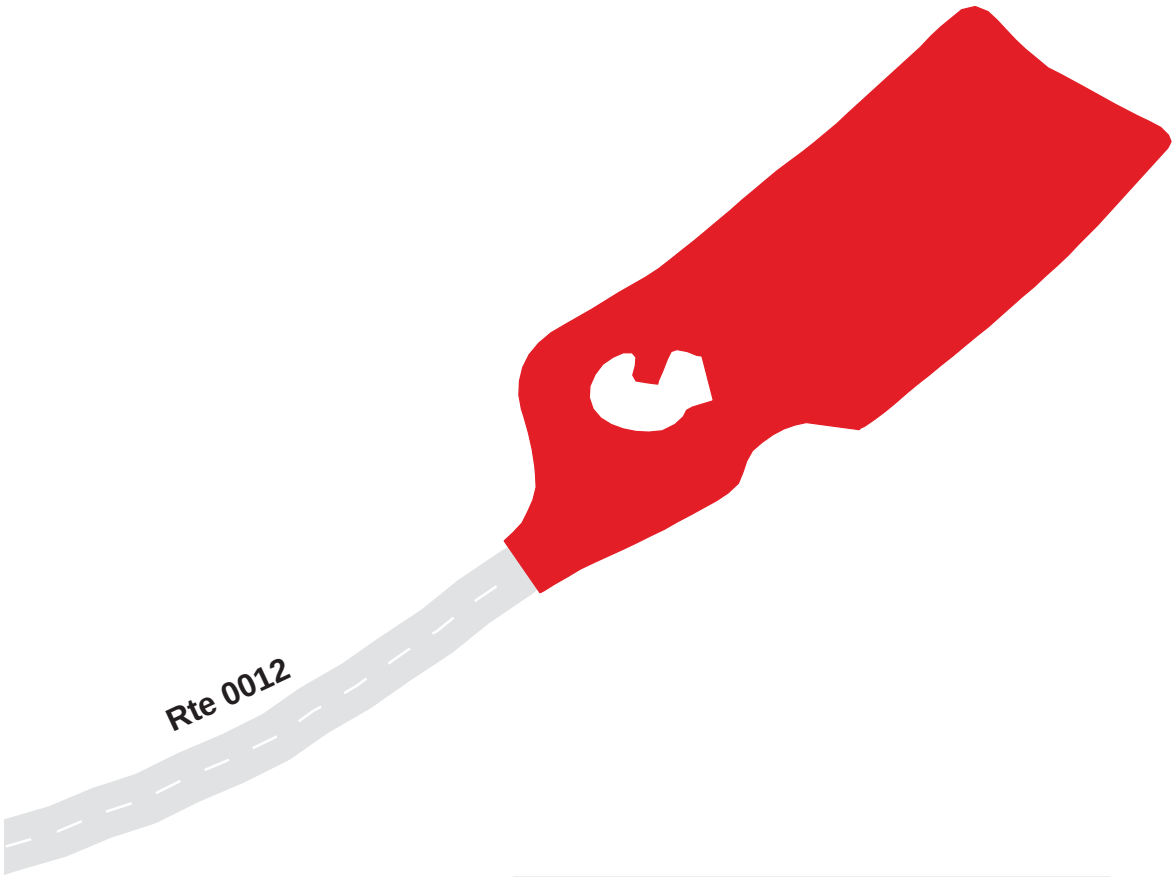
150 75 0 150
Feet

N

Cape Hatteras National Seashore
Route 0921
Cape Point Beach Day Use Parking
From End of Route 0012

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0921	Public	5/22/1999	18396	0.32	AS	GOOD / 90

* Lane miles are based on 11' lane widths



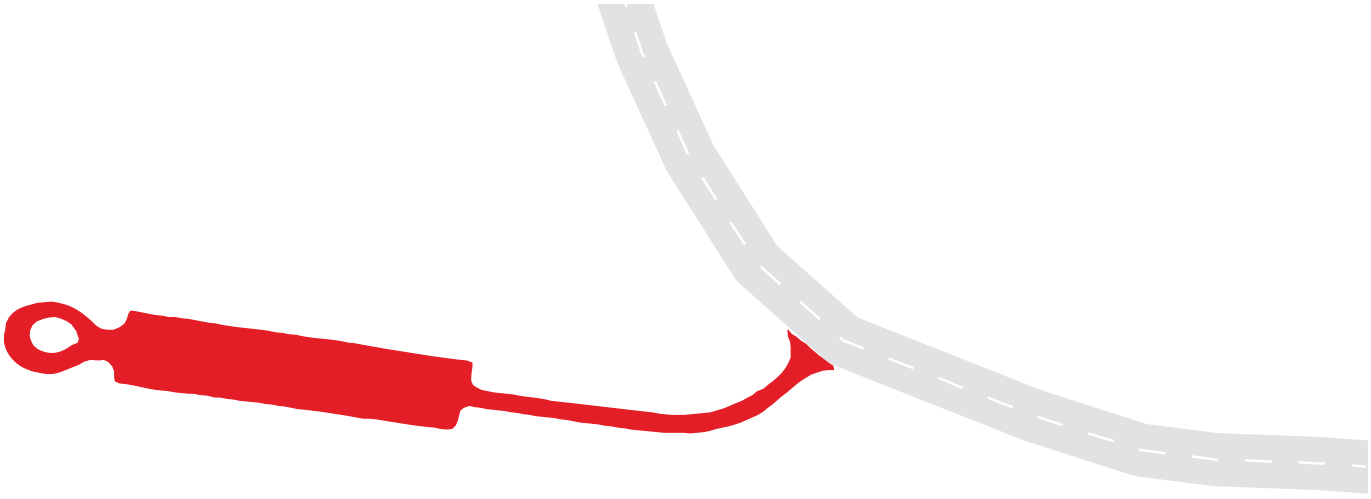
100 50 0 100
Feet

N

Cape Hatteras National Seashore
Route 0922
Ampitheater Parking Area Access
From Route 0225

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0922	Public	5/22/1999	22447	0.39	AS	FAIR / 73

* Lane miles are based on 11' lane widths



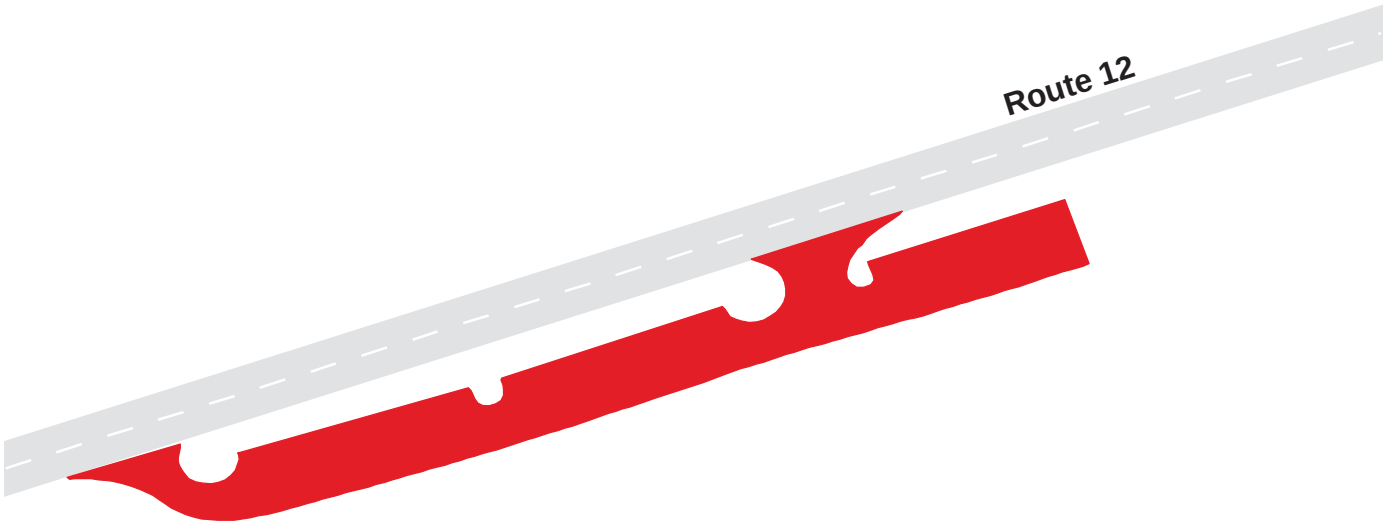
200 100 0 200
Feet

N

Cape Hatteras National Seashore
Route 0923
Turnout At Mp 51
From NC State Route 12 at MP 68.8

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0923	Public	5/20/1999	35301	0.61	AS	GOOD / 90

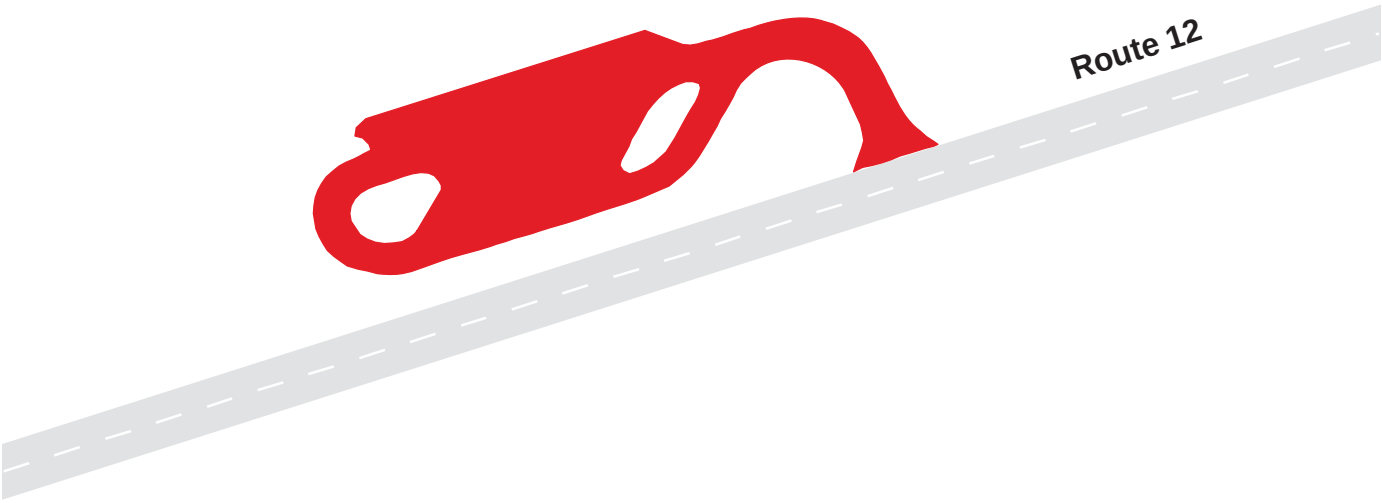
* Lane miles are based on 11' lane widths



Cape Hatteras National Seashore
Route 0924
Sandy Bay Soundside Parking
From NC State Route 12, north side at MP 69.7

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0924	Public	5/20/1999	24335	0.42	AS	GOOD / 90

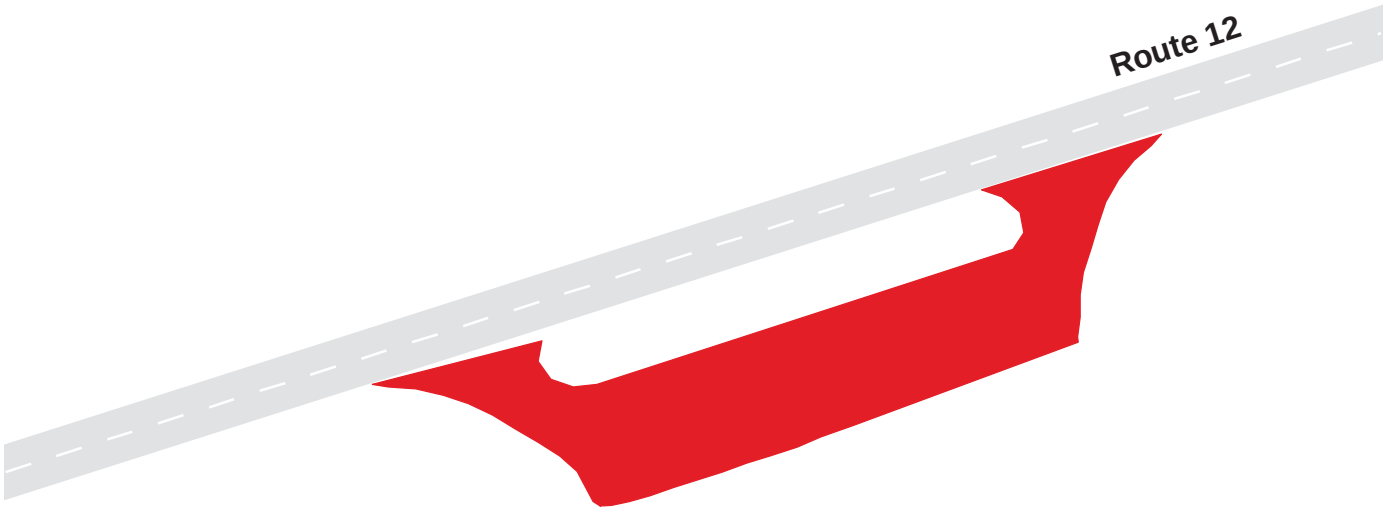
* Lane miles are based on 11' lane widths



Cape Hatteras National Seashore
Route 0925
Turnout At Mp 52.5
From NC State Route 12

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0925	Public	5/20/1999	13263	0.23	AS	GOOD / 90

* Lane miles are based on 11' lane widths

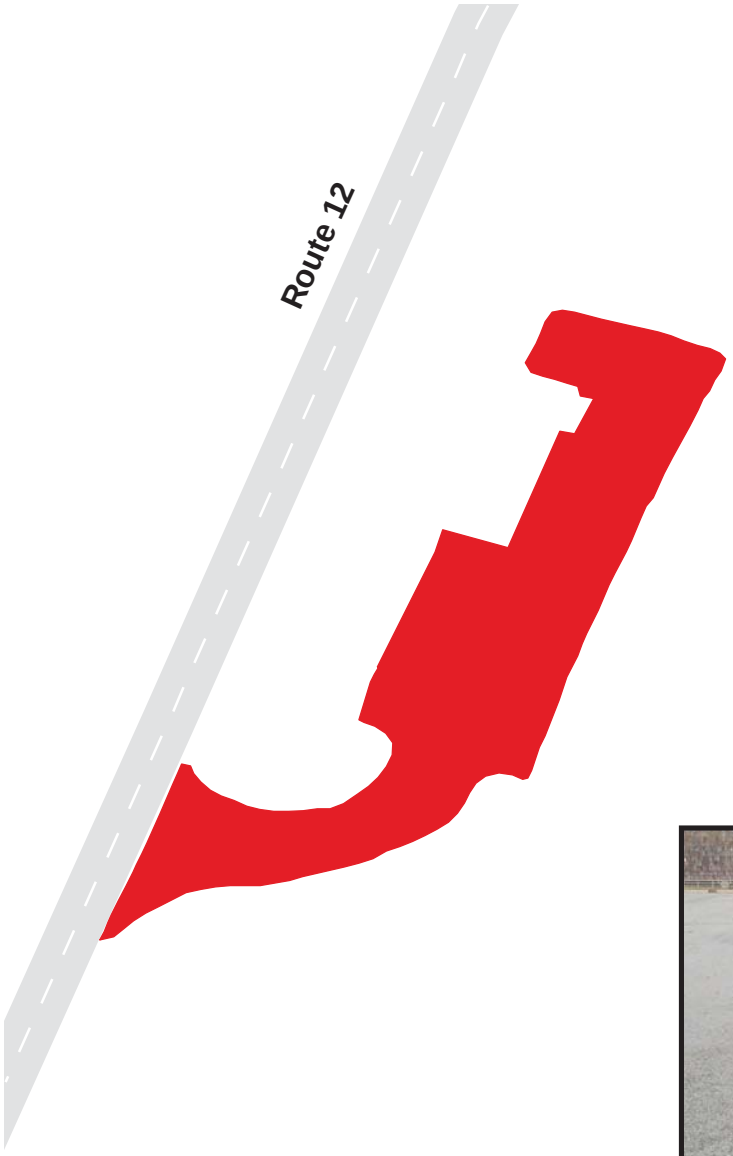


Cape Hatteras National Seashore
Route 0926

Parking Access At Hatteras Inlet Ferry
From NC State Route 12 on Ocracoke Island

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0926	Public	5/21/1999	15423	0.27	AS	FAIR / 73

* Lane miles are based on 11' lane widths



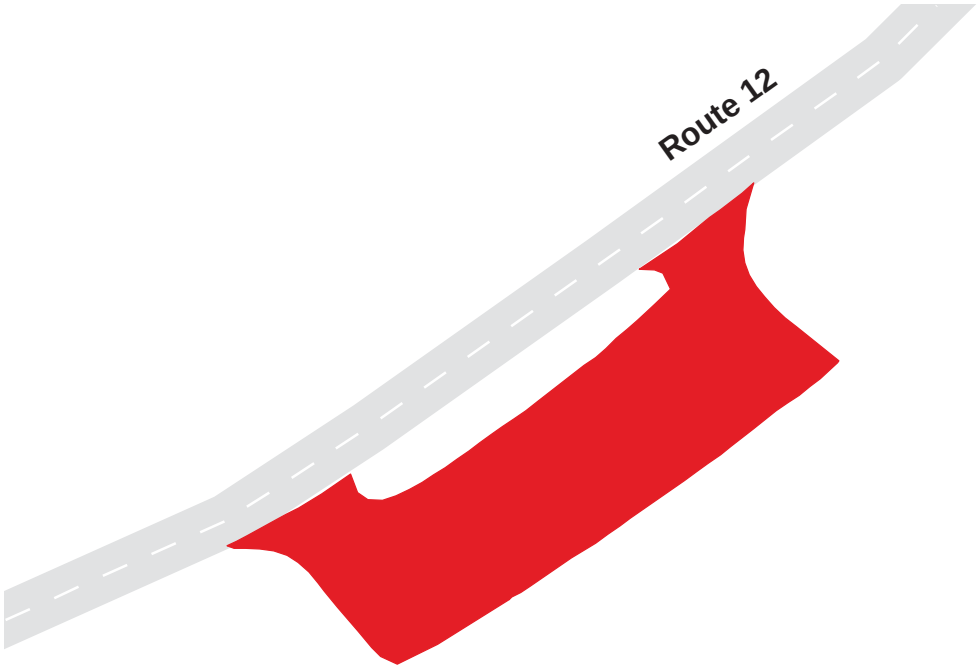
100 50 0 100
Feet

N

Cape Hatteras National Seashore
Route 0927
Turnout At Mp 59.5
From NC State Route 12 on Ocracoke Island

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0927	Public	5/21/1999	12095	0.21	AS	FAIR / 73

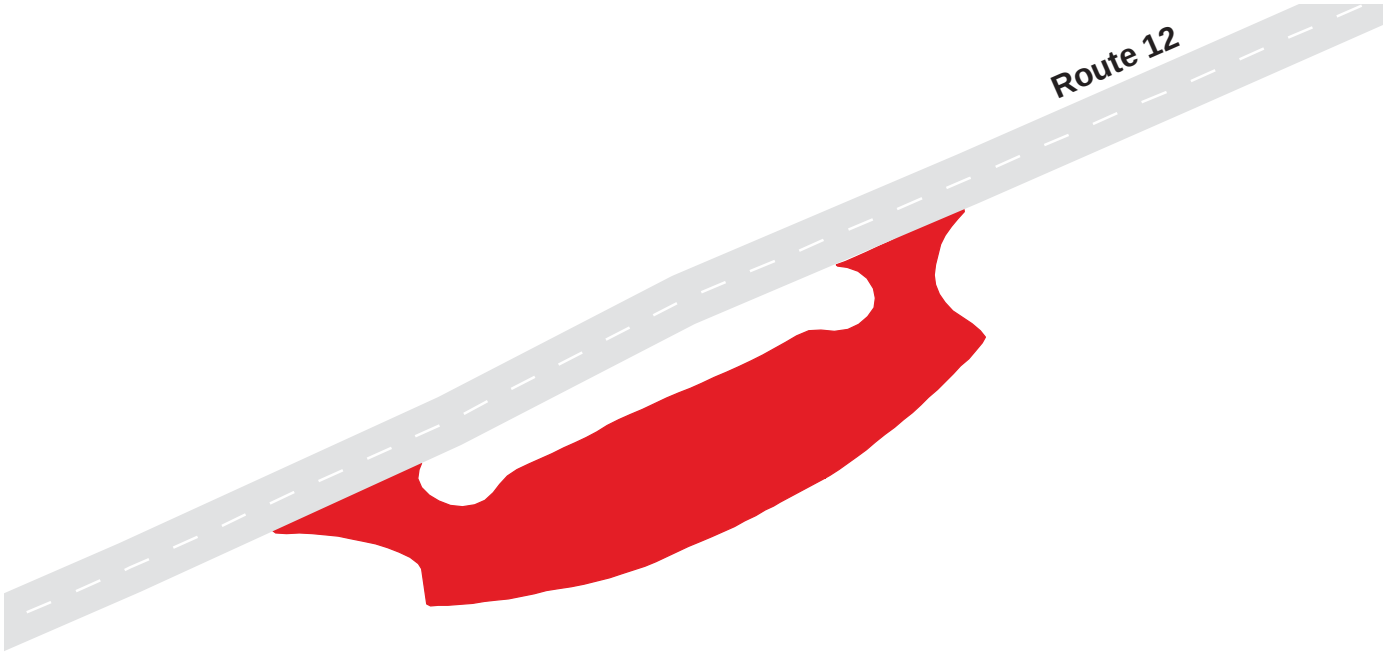
* Lane miles are based on 11' lane widths



Cape Hatteras National Seashore
Route 0928
Turnout At Mp 64
From NC State Route 12 on Ocracoke Island

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0928	Public	5/21/1999	17178	0.30	AS	FAIR / 73

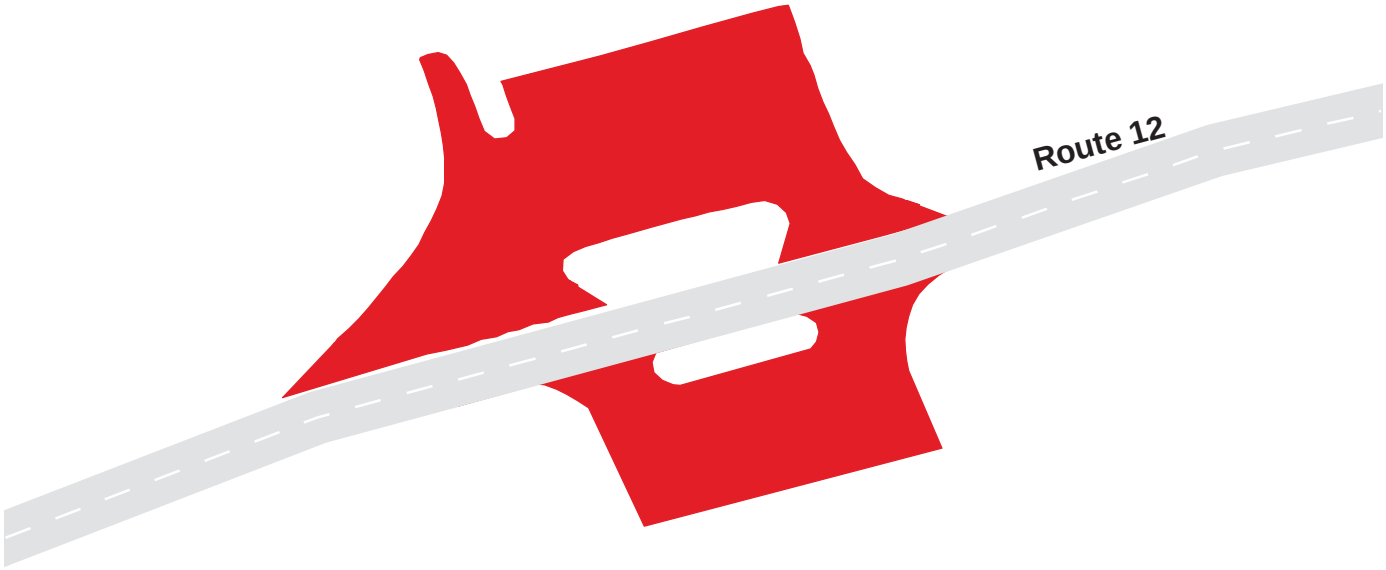
* Lane miles are based on 11' lane widths



Cape Hatteras National Seashore
Route 0929
Pony Pen Access
From NC State Route 12 on Ocracoke Island

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0929	Public	5/21/1999	17325	0.30	AS	GOOD / 90

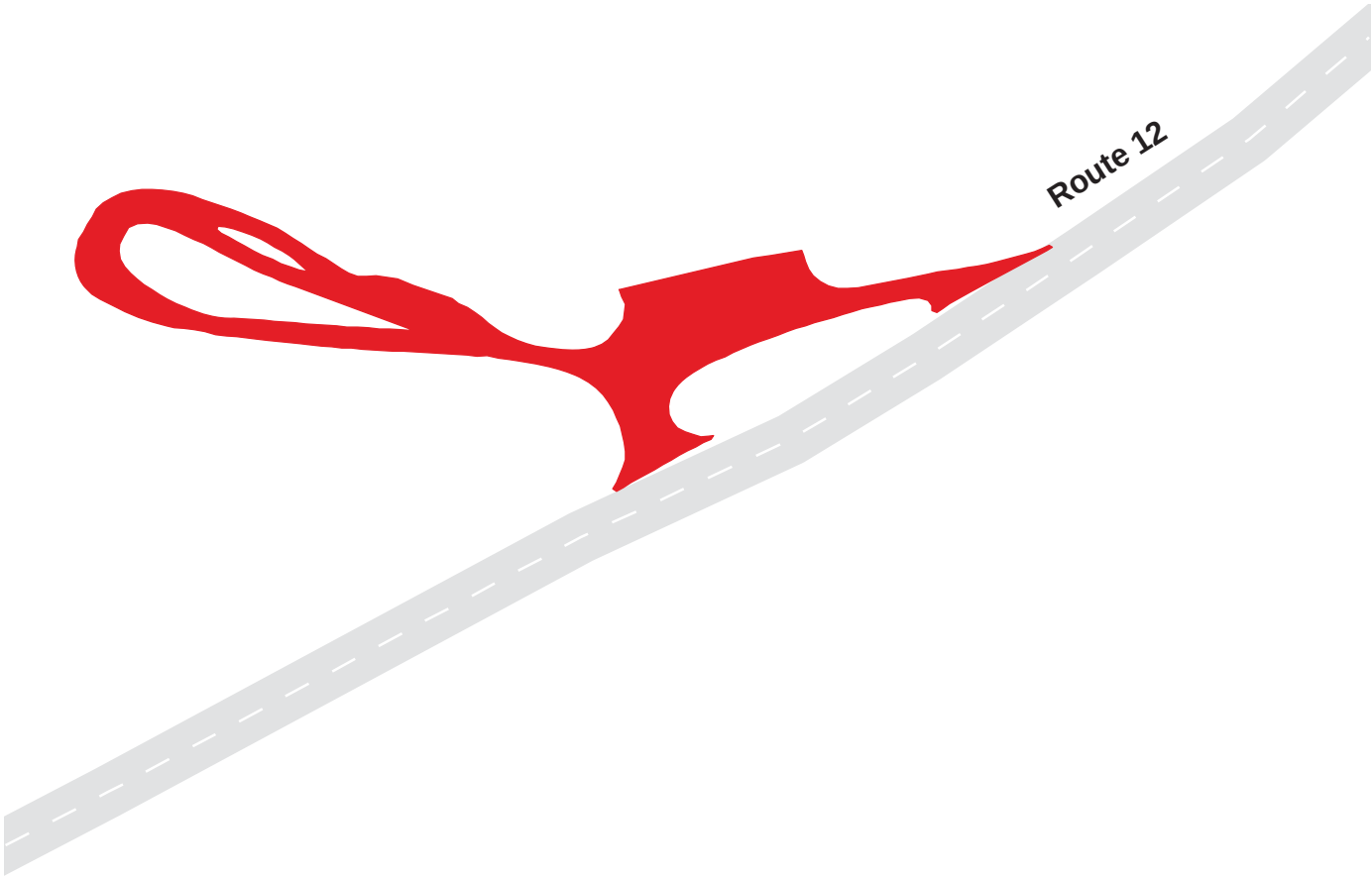
* Lane miles are based on 11' lane widths



Cape Hatteras National Seashore
Route 0930
Trailer Dump Station Road/ Hammock Hill
From NC State Route 12 on Ocracoke Island

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0930	Public	5/21/1999	18996	0.33	AS	FAIR / 73

* Lane miles are based on 11' lane widths



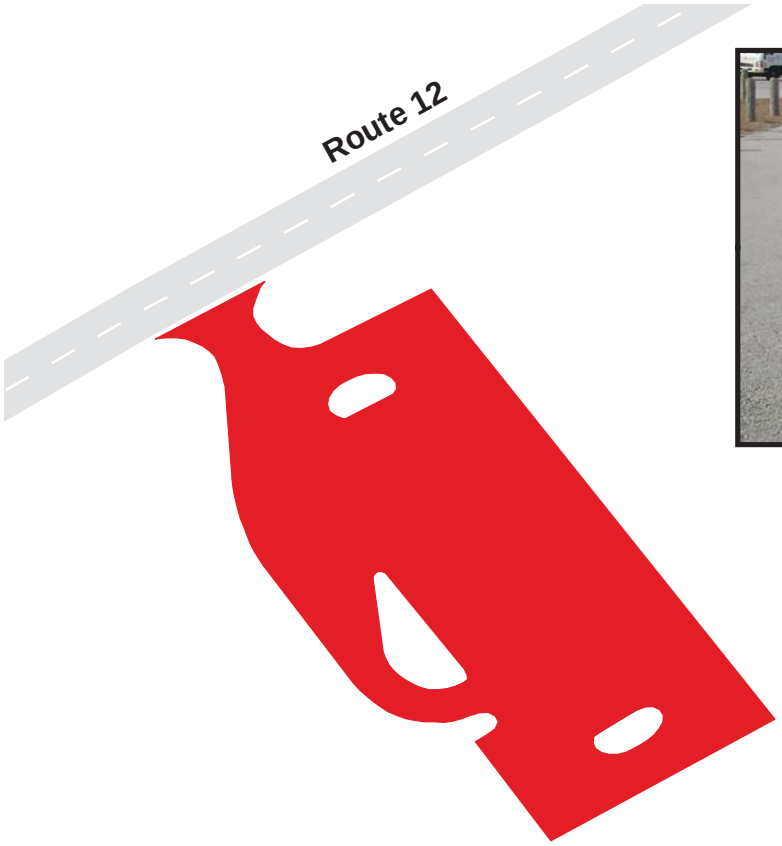
150 75 0 150
Feet

N

Cape Hatteras National Seashore
Route 0931
Okracoke Day Use Parking Area Access
From NC State Route 12 on Ocracoke Island

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0931	Public	5/21/1999	49403	0.85	AS	FAIR / 73

* Lane miles are based on 11' lane widths



150 75 0 150
Feet

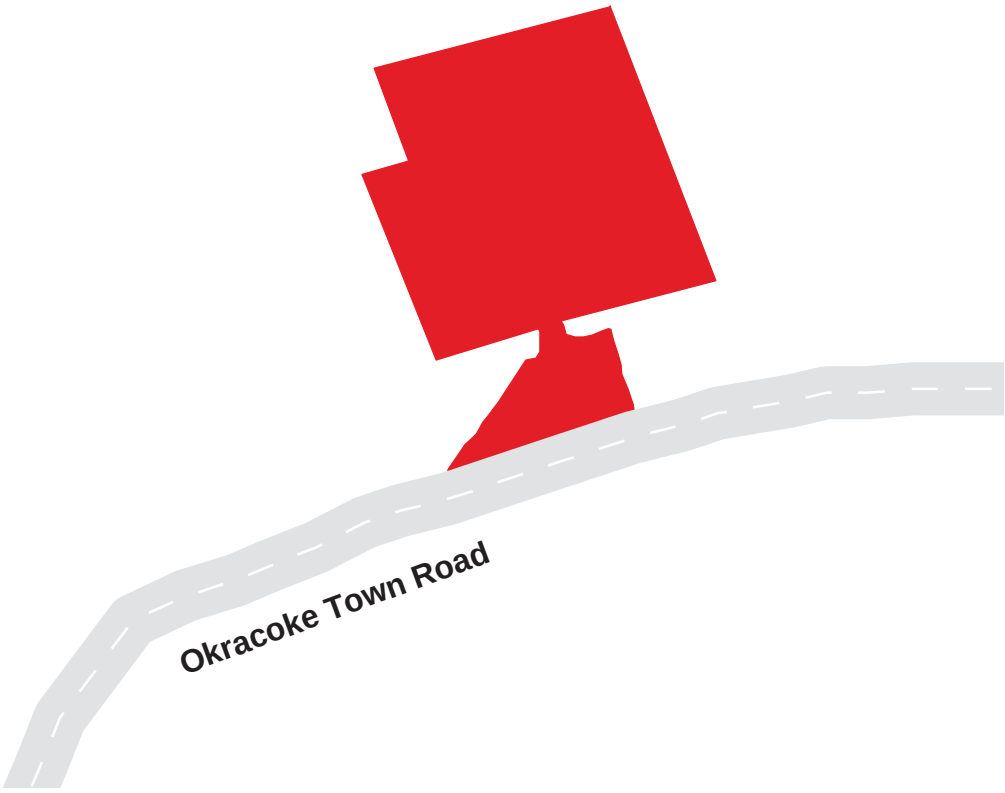
N

7-29

Cape Hatteras National Seashore
Route 0932
Okracoke Maintenance Access
From Okracoke Town Road

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0932	NonPublic	5/21/1999	27345	0.47	AS	GOOD / 90

* Lane miles are based on 11' lane widths

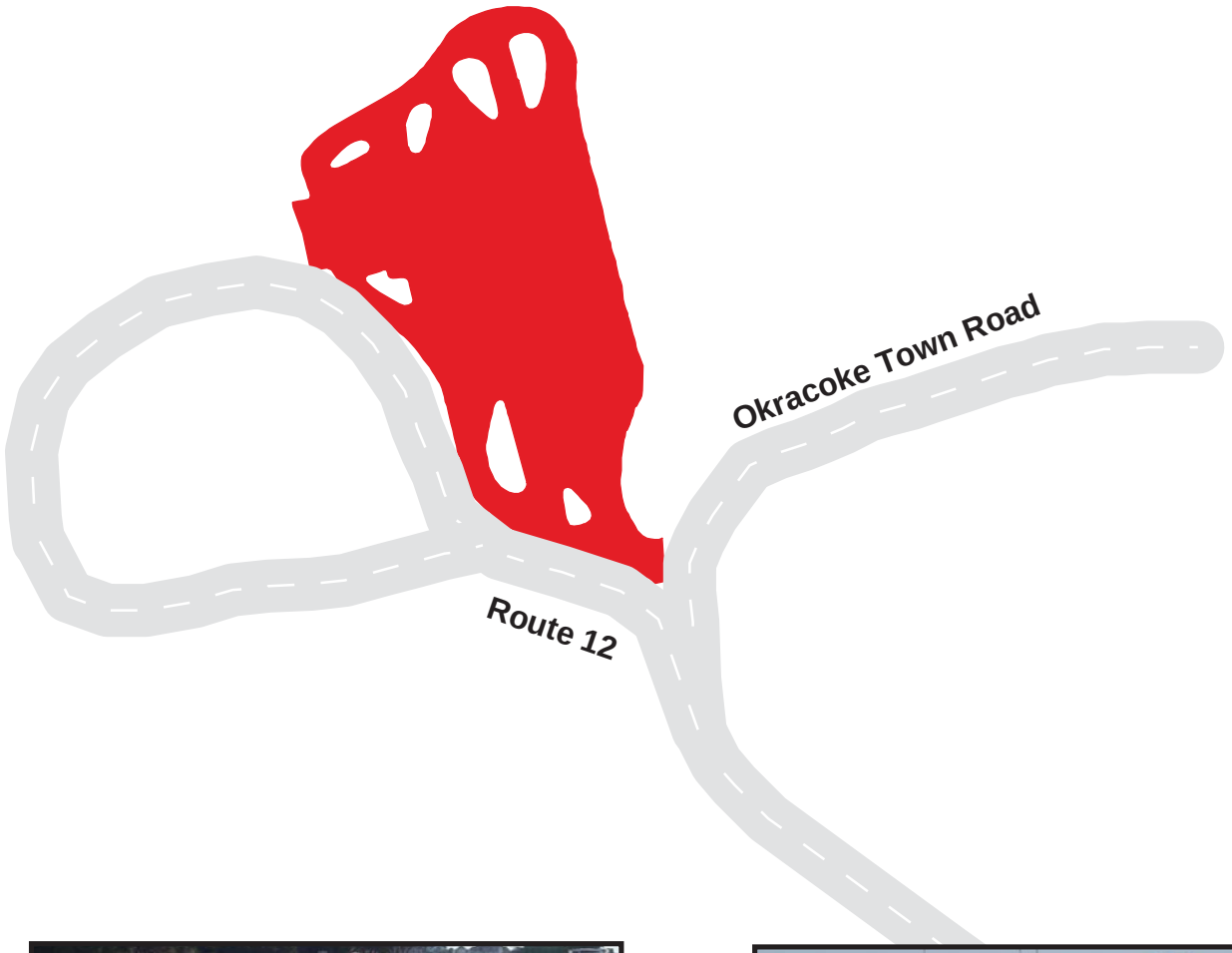


7-30

Cape Hatteras National Seashore
Route 0933
Okracoke Day Use Parking Area Access
Near End of NC State Route 12

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0933	Public	5/21/1999	117735	2.03	AS	FAIR / 73

* Lane miles are based on 11' lane widths



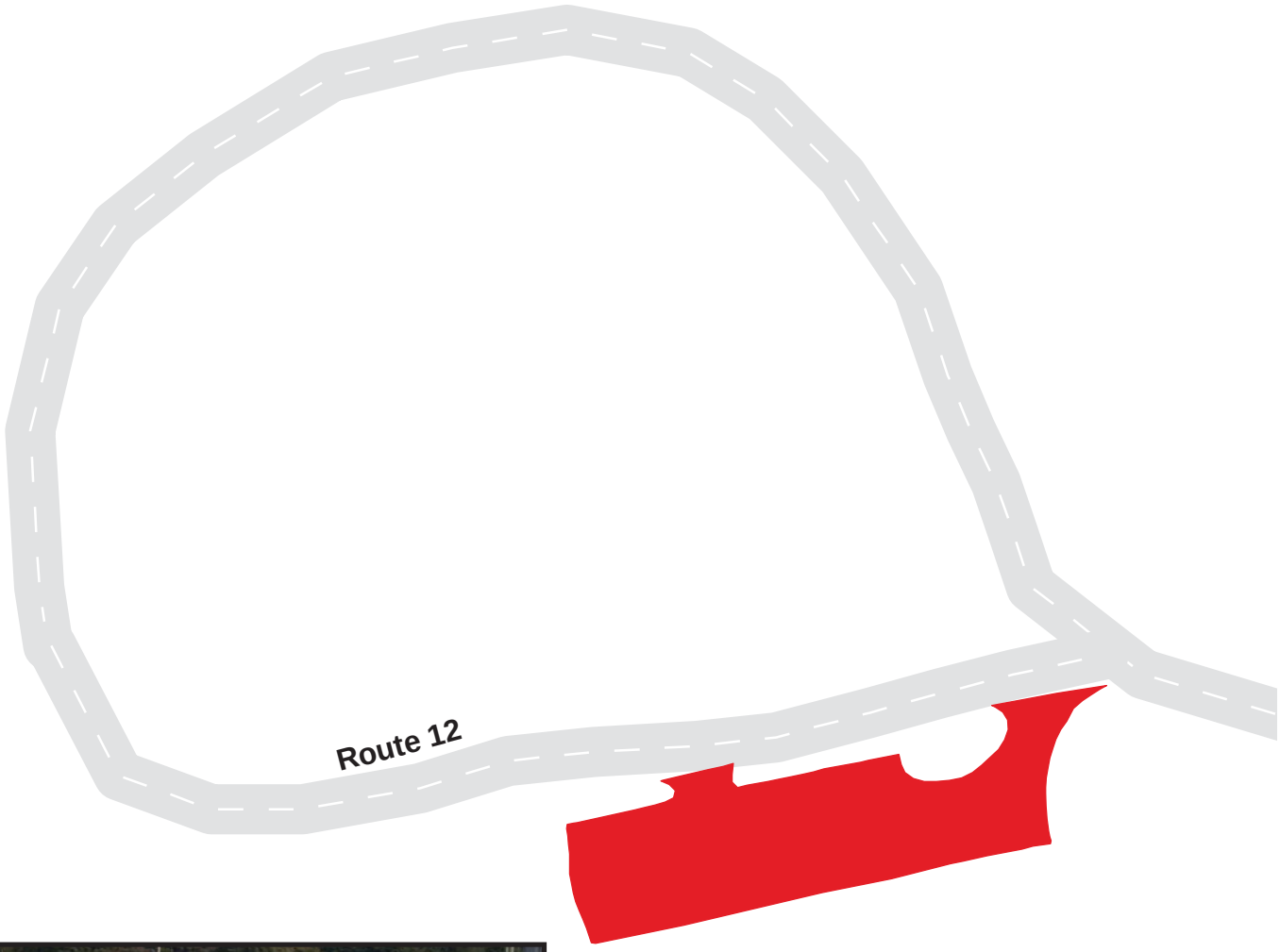
250 125 0 250
Feet

N

Cape Hatteras National Seashore
Route 0934
Okracoke Visitor Center Parking Access
Near End of NC State Route 12

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0934	Public	5/21/1999	11598	0.20	AS	FAIR / 73

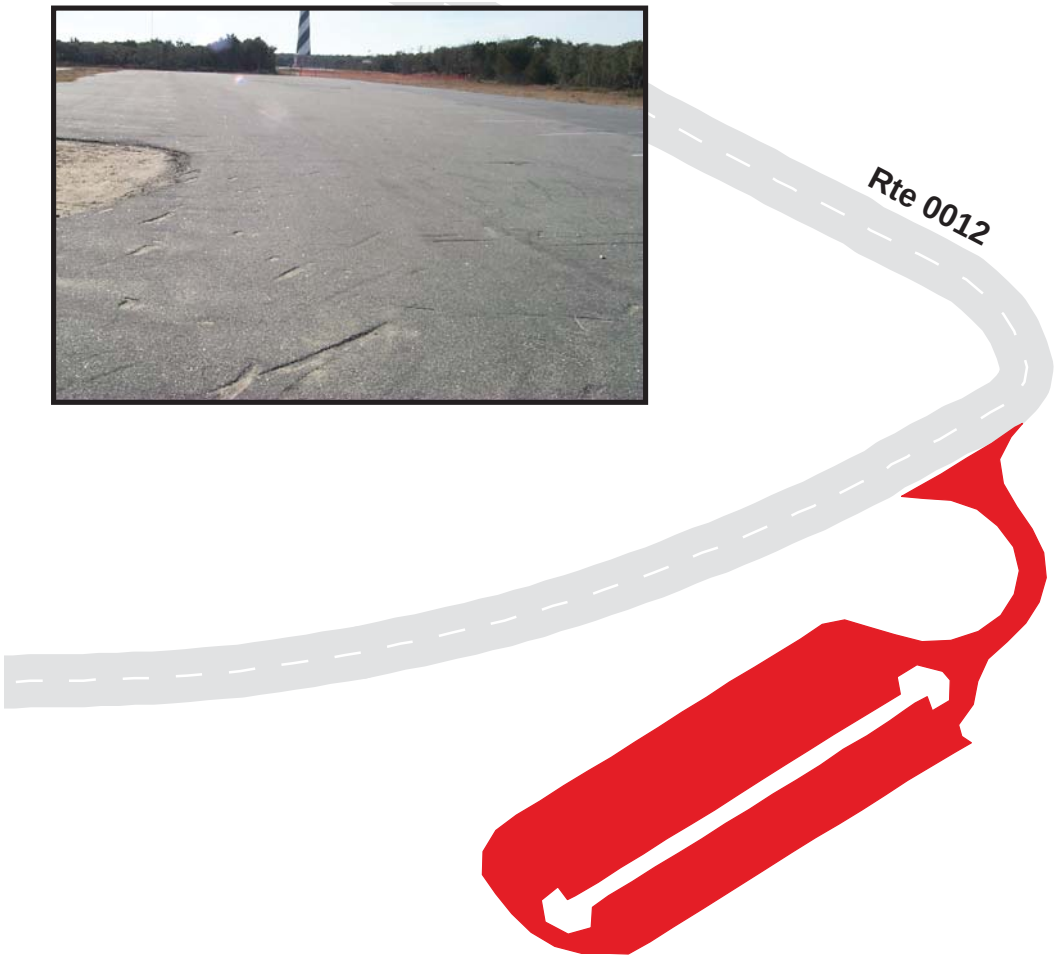
* Lane miles are based on 11' lane widths



Cape Hatteras National Seashore
Route 0935
Cape Point Beach Parking
From Route 0012 at MP 0.89

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0935	Public	1/17/2002	73853	1.27	AS	POOR / 45

* Lane miles are based on 11' lane widths



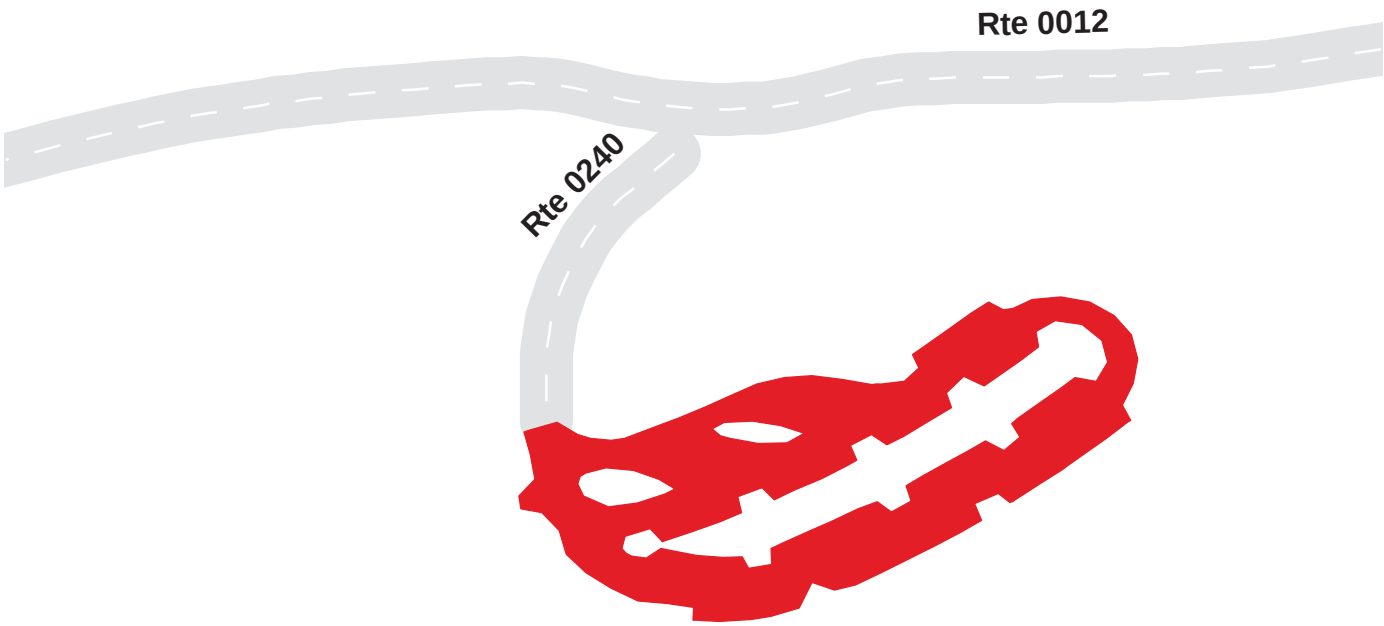
200 100 0 200 400 Feet

N

Cape Hatteras National Seashore
Route 0936
Cape Hatteras Lighthouse Parking
From End of Route 0240

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0936	Public	1/17/2002	71971	1.24	AS	EXCELLENT / 97

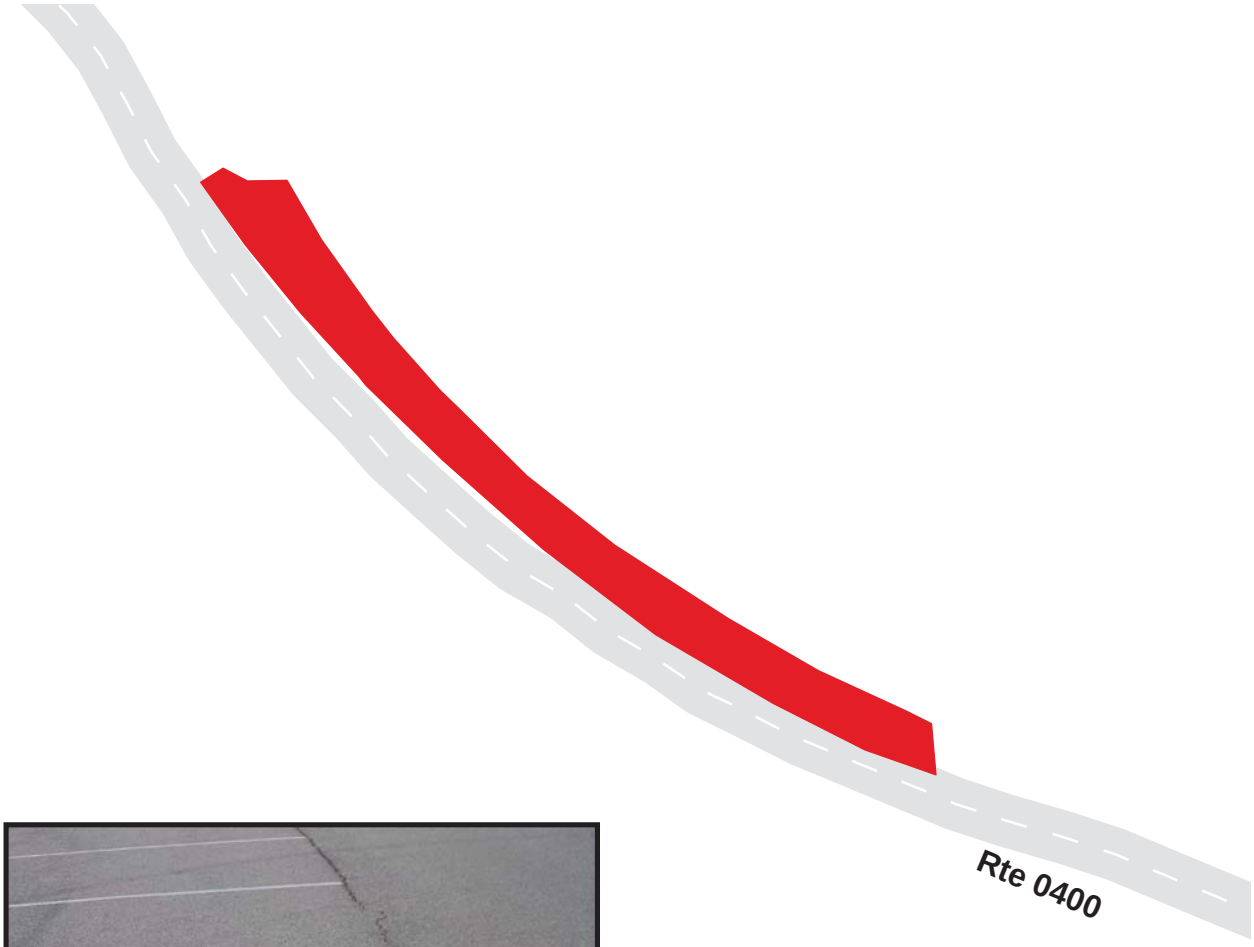
* Lane miles are based on 11' lane widths

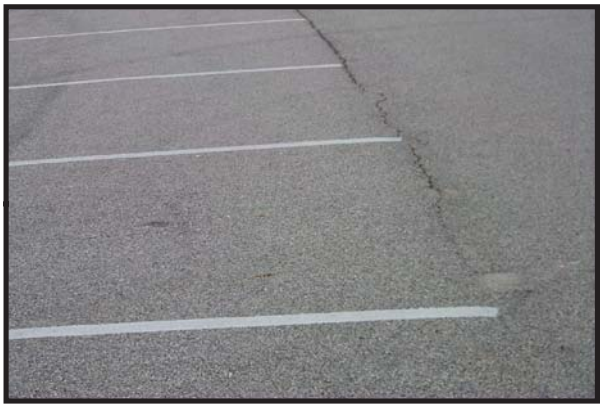


Cape Hatteras National Seashore
Route 0937
Maintenance Overflow Parking
From Route 0400

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0937	NonPublic	1/17/2002	4213	0.07	AS	GOOD / 90

* Lane miles are based on 11' lane widths





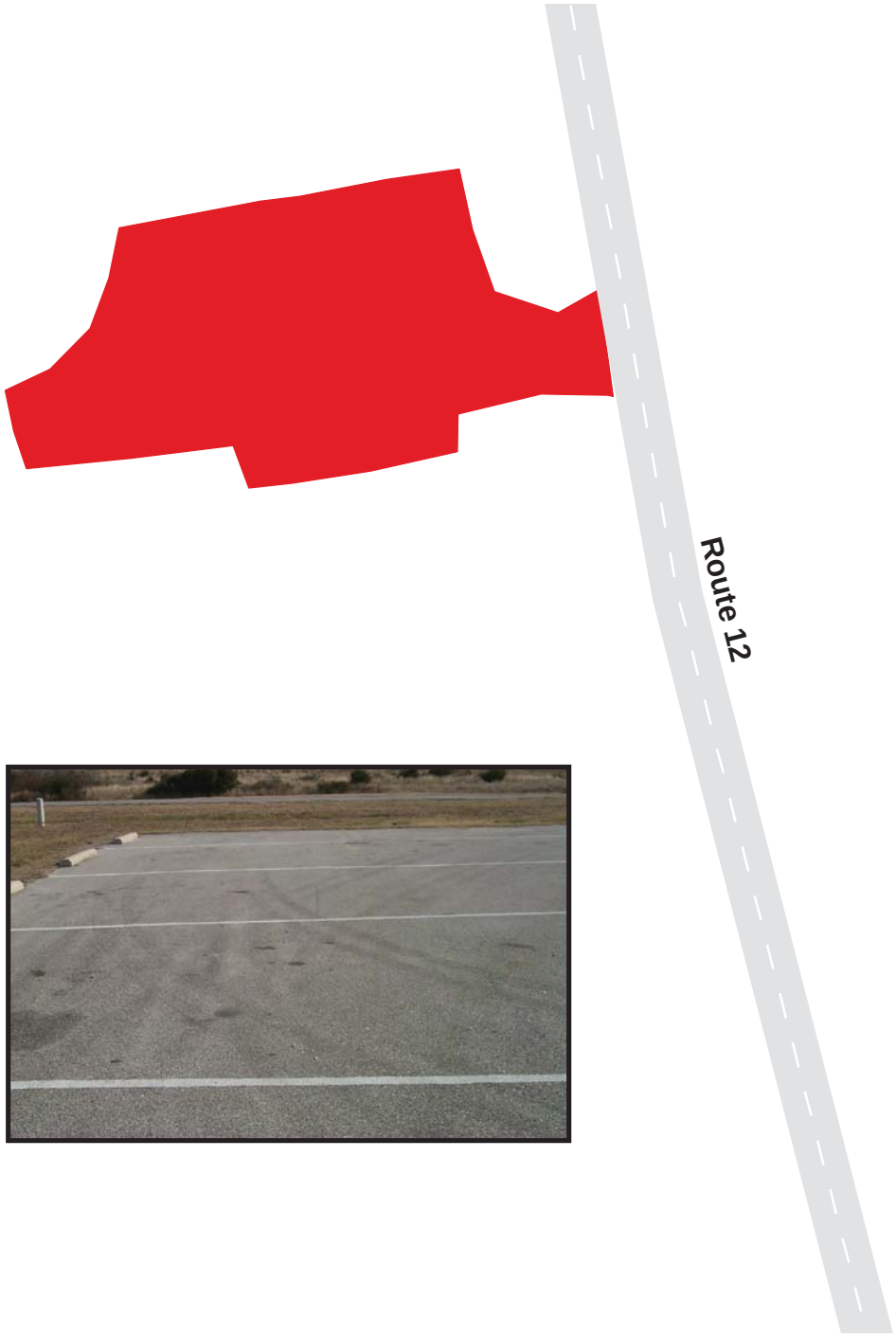
100 50 0 100 Feet

N

Cape Hatteras National Seashore
Route 0938
New Inlet Boat Ramp Parking
Adjacent to NC State Route 12

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0938	Public	1/17/2002	13717	0.24	AS	GOOD / 90

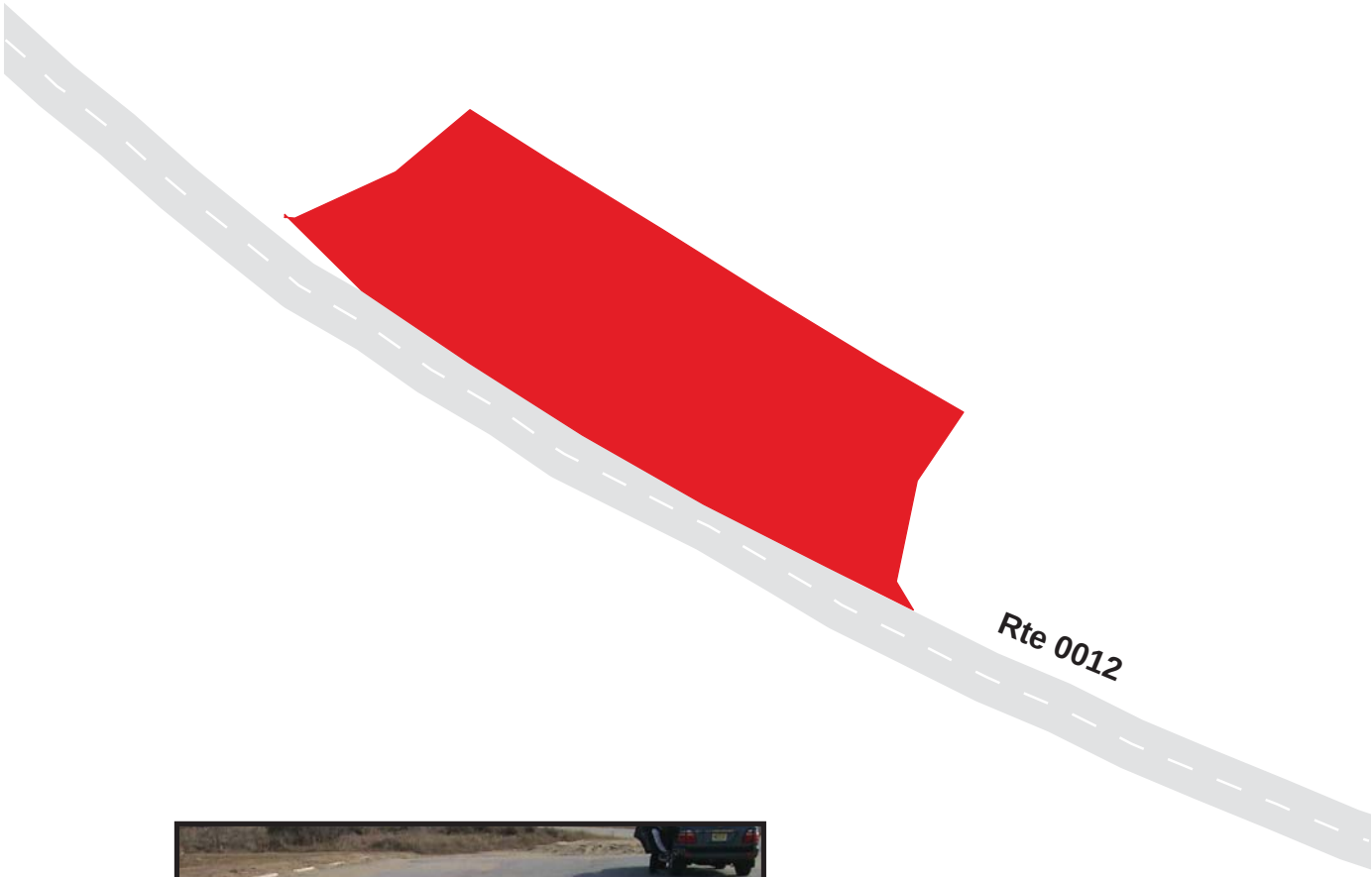
* Lane miles are based on 11' lane widths



Cape Hatteras National Seashore
Route 0939
Fish Cleaning Station Parking
Adjacent to Route 0012

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0939	Public	1/17/2002	5772	0.10	AS	GOOD / 90

* Lane miles are based on 11' lane widths



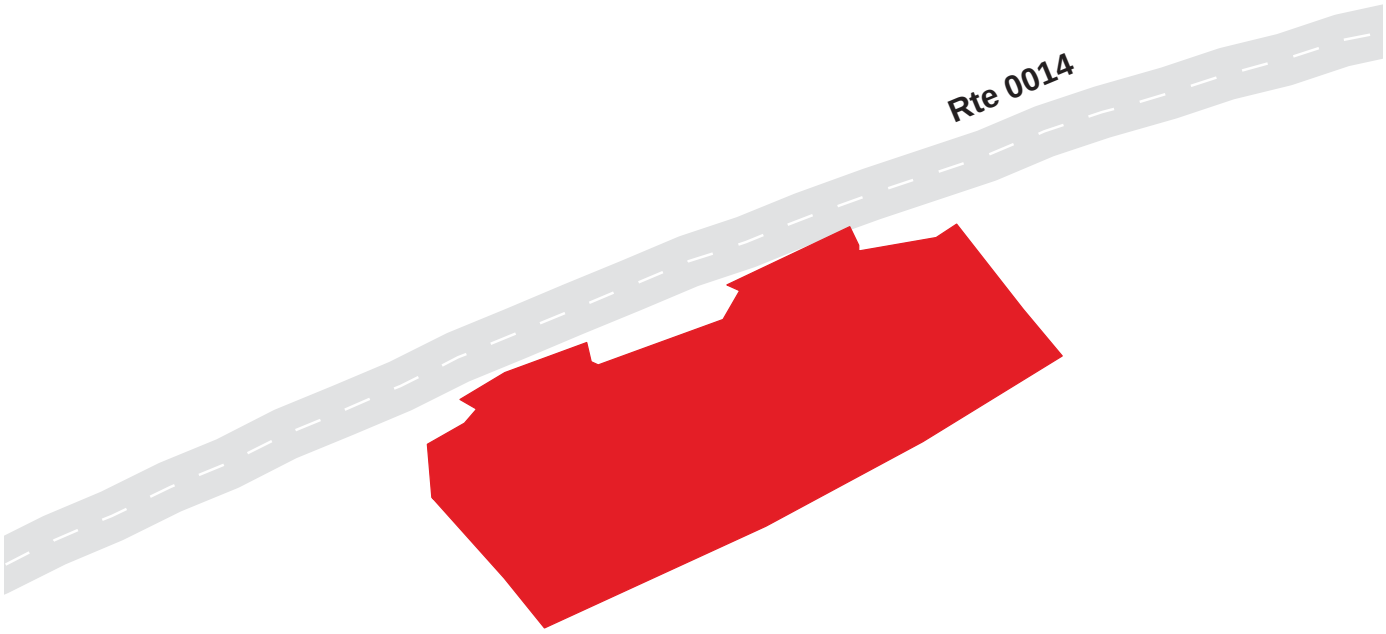
50 25 0 50 Feet

N

Cape Hatteras National Seashore
Route 0940
Frisco Airstrip Refueling Parking
Adjacent to Route 0014

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0940	Public	1/17/2002	8723	0.15	AS	FAIR / 73

* Lane miles are based on 11' lane widths



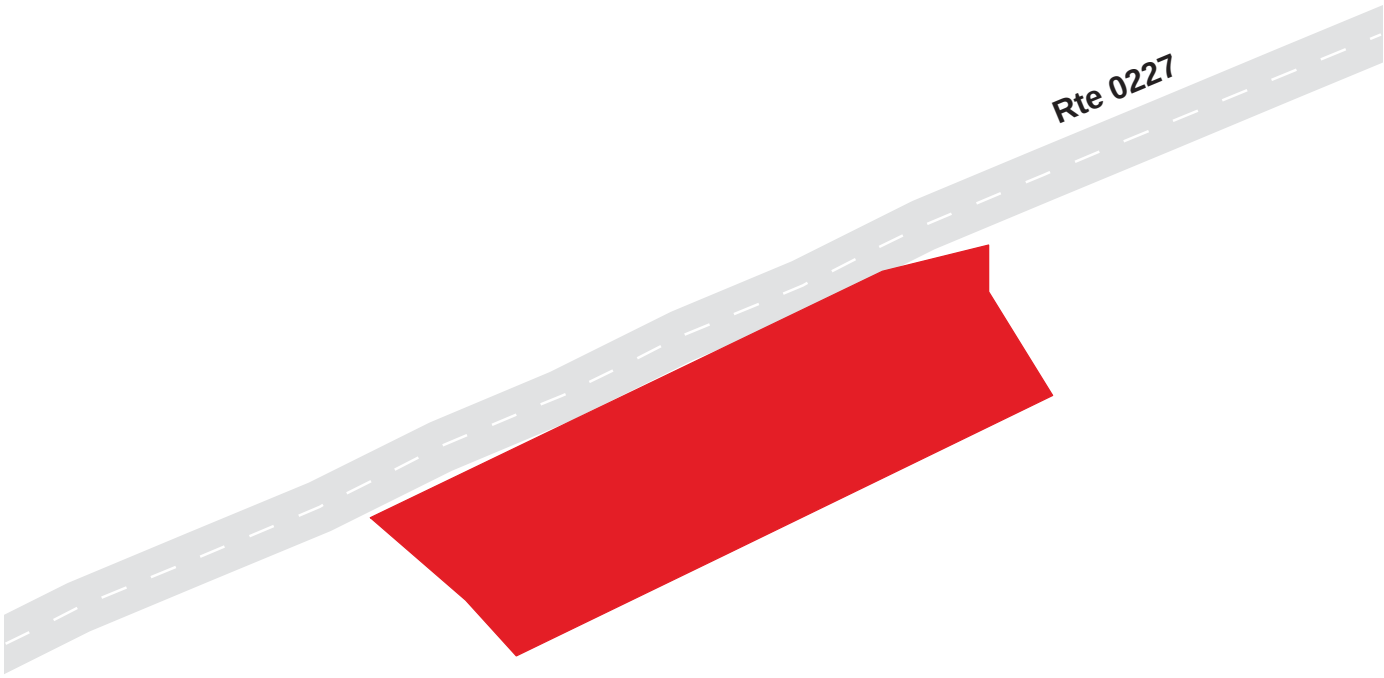
70 35 0 70 Feet

N

Cape Hatteras National Seashore
Route 0941
Frisco Campground Parking A
Adjacent to Route 0227

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0941	Public	1/17/2002	1808	0.03	AS	GOOD / 90

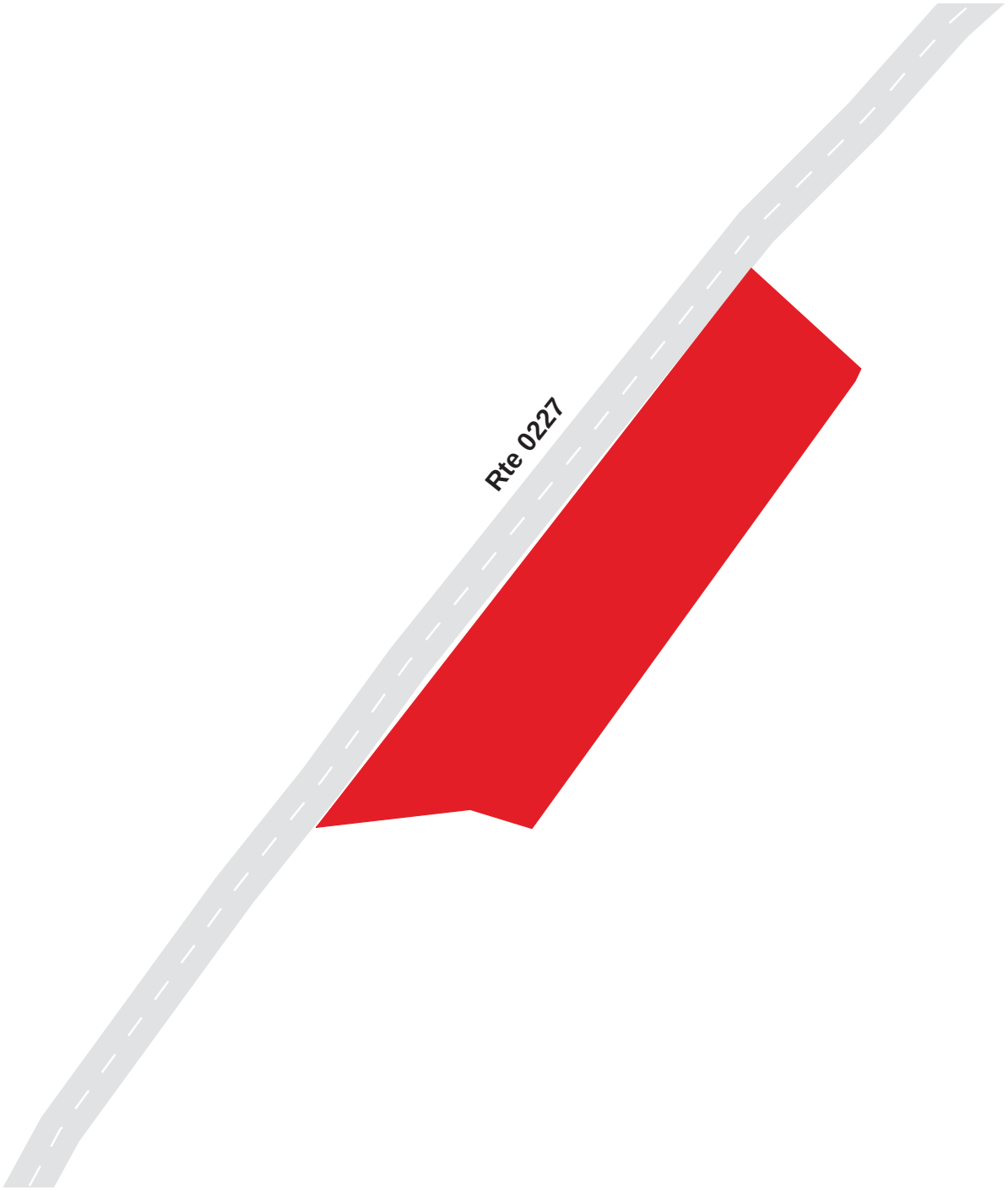
* Lane miles are based on 11' lane widths



Cape Hatteras National Seashore
Route 0942
Frisco Campground Parking B
Adjacent to Route 0227

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0942	Public	1/17/2002	1349	0.02	AS	GOOD / 90

* Lane miles are based on 11' lane widths



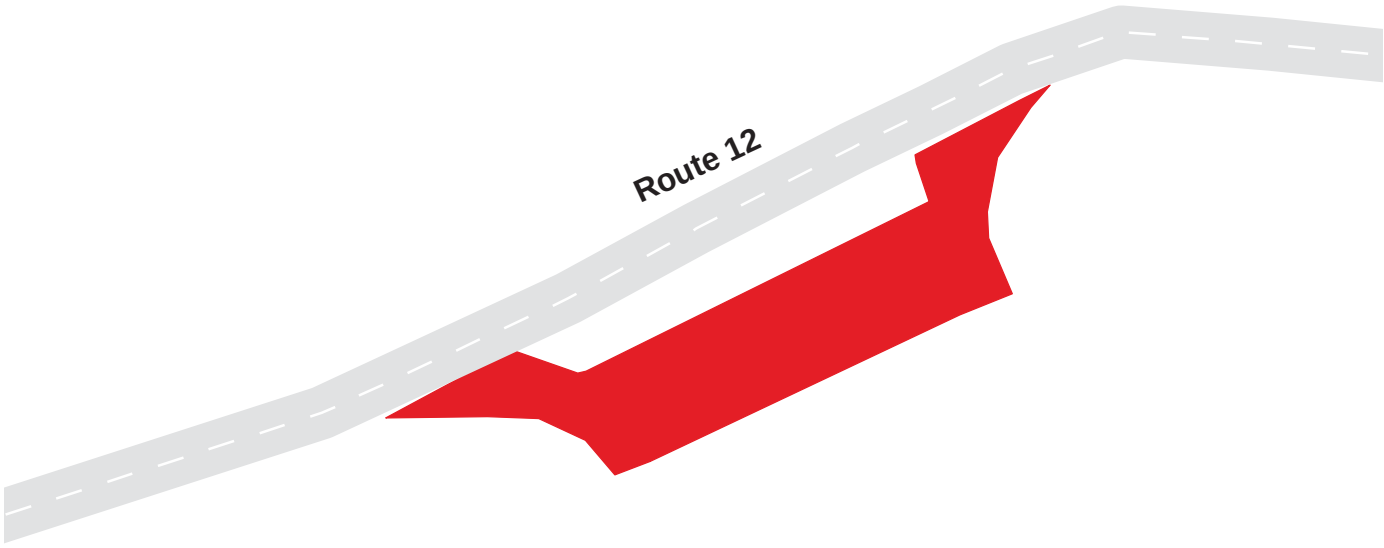
25 12.5 0 25
Feet

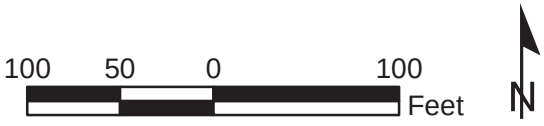
N

Cape Hatteras National Seashore
Route 0943
Coast Guard Access Road Parking
Adjacent to NC State Route 12 in Hatteras near Ferry to Ocracoke Island

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0943	Public	1/17/2002	15179	0.26	AS	FAIR / 73

* Lane miles are based on 11' lane widths





CAHA: PARKWIDE MAINTENANCE FEATURES SUMMARY

FEATURE	PARK TOTAL	UNIT
BRIDGE	0	EACH
CATTLE GUARD	0	EACH
CULVERT	12	EACH
CURB	1,088	LINEAR FEET
DROP INLET	0	EACH
GUARD WALL	0	LINEAR FEET
GUARDRAIL	0	LINEAR FEET
INTERSECTION	150	EACH
LOW WATER CROSSING	0	EACH
OVERHEAD SIGN	0	EACH
PARK BOUNDARY	1	EACH
PAVED DITCH	0	LINEAR FEET
PULLOUT	12	EACH
RAILROAD CROSSING	0	EACH
RETAINING WALL	0	EACH
STATE BOUNDARY	0	EACH
TRAFFIC LIGHT	0	EACH
TUNNEL	0	EACH
TURNOUT	0	LINEAR FEET

CAHA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0010 NC STATE ROUTE 12	ROUTE 0011 S OLD OREGON INLET ROAD	ROUTE 0012 LIGHTHOUSE ROAD	ROUTE 0014 FRISCO CAMPGROUND ACCESS/BILLY MITC	ROUTE 0202 LIGHTHOUSE BAY DRIVE	ROUTE 0210 PEA ISLAND DAY USE ROAD	UNIT
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	4	1	3	0	0	0	EACH
CURB	0	0	63	322	290	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	7	2	16	6	8	1	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	1	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	4	0	1	1	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

CAHA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0227 FRISCO CAMPGROUND LOOP	ROUTE 0230 COAST GUARD ACCESS AT HATTERAS	ROUTE 0240 LIGHTHOUSE ACCESS ROAD ??	ROUTE 0241 OCRACOKE RESIDENCE ROAD	ROUTE 0400 PARK SERVICE ROAD	ROUTE 0401 OREGON INLET COAST GUARD ACCESS	UNIT
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	4	EACH
CURB	16	0	0	69	327	0	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	0	0	0	0	LINEAR FEET
INTERSECTION	86	6	2	0	7	0	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	6	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	0	LINEAR FEET

CAHA: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0405 BODIE ISLAND SUB DISTRICT BONE	ROUTE 0410 LOGGERHEAD LANE	UNIT
BRIDGE	0	0	EACH
CATTLE GUARD	0	0	EACH
CULVERT	0	0	EACH
CURB	0	0	LINEAR FEET
DROP INLET	0	0	EACH
GUARD WALL	0	0	LINEAR FEET
GUARDRAIL	0	0	LINEAR FEET
INTERSECTION	1	8	EACH
LOW WATER CROSSING	0	0	EACH
OVERHEAD SIGN	0	0	EACH
PARK BOUNDARY	0	0	EACH
PAVED DITCH	0	0	LINEAR FEET
PULLOUT	0	0	EACH
RAILROAD CROSSING	0	0	EACH
RETAINING WALL	0	0	EACH
STATE BOUNDARY	0	0	EACH
TRAFFIC LIGHT	0	0	EACH
TUNNEL	0	0	EACH
TURNOUT	0	0	LINEAR FEET

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : NC STATE ROUTE 12

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT NORTH ENTRANCE
0.019	0.019	INTERSECTION	RIGHT	
0.055	0.055	PARK BOUNDARY	N/A	
0.091	0.091	INTERSECTION	RIGHT	
0.188	0.188	INTERSECTION	RIGHT	RTE 901 WHALEBONE INFORMATION STATION ACCESS
1.056	1.056	CULVERT	N/A	
1.345	1.345	CULVERT	N/A	
1.537	1.597	PULLOUT	RIGHT	
2.425	2.425	CULVERT	N/A	
2.878	2.878	CULVERT	N/A	
3.163	3.189	PULLOUT	RIGHT	
3.716	3.745	PULLOUT	RIGHT	
4.378	4.406	PULLOUT	RIGHT	
4.675	4.675	INTERSECTION	LEFT	RTE 400 BODIE ISLAND MAINTENANCE AND RESIDENCE
4.915	4.915	INTERSECTION	RIGHT	RTE 402 BODIE ISLAND WELL FIELD ACCESS
5.177	5.177	INTERSECTION	LEFT	RTE 403 BODIE ISLAND RESIDENCE NO 100 ACCESS
5.278	5.278	INTERSECTION	LEFT	RTE 404 RANGER STATION AT COQUINA BEACH
5.280	5.280			ROUTE ENDS AT RTE 404

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0011 : S OLD OREGON INLET ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 010
0.128	0.128	INTERSECTION	RIGHT	
0.132	0.132	CULVERT	N/A	
0.165	0.165	INTERSECTION	RIGHT	
0.170	0.170			ROUTE ENDS AT JUST PAST RTE 400 AT PAVEMENT CHANGE

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0012 : LIGHTHOUSE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT NC SR 12
0.017	0.017	INTERSECTION	LEFT	
0.084	0.084	CULVERT	N/A	
0.125	0.125	CULVERT	N/A	
0.347	0.347	INTERSECTION	RIGHT	FLOWERS RIDGE
0.542	0.565	PULLOUT	LEFT	
0.877	0.877	INTERSECTION	LEFT	
0.879	0.879	INTERSECTION	RIGHT	
1.171	1.171	INTERSECTION	RIGHT	RTE 917 BUXTON WOODS TRAILHEAD PARKING
1.380	1.380	INTERSECTION	RIGHT	RTE 410 BUXTON RESIDENCE AREA ROAD
1.575	1.575	INTERSECTION	LEFT	RTE 919 BUXTON WOODS DUMP STATION
1.595	1.595	INTERSECTION	LEFT	
1.621	1.621	INTERSECTION	LEFT	
1.742	1.742	INTERSECTION	RIGHT	RTE 920 CAPE HATTERAS LIGHTHOUSE PARKING
1.979	1.979	CULVERT	N/A	
2.004	2.004	INTERSECTION	LEFT	
2.435	2.435	INTERSECTION	RIGHT	RTE 225 CAPE POINT CAMPGROUND PERIMETER LOOP
2.481	2.481	INTERSECTION	LEFT	
2.511	2.511	INTERSECTION	RIGHT	RTE 939
2.655	2.655	INTERSECTION	LEFT	
2.656	2.668	CURB	LEFT	
2.663	2.663	INTERSECTION	RIGHT	
2.670	2.670			ROUTE ENDS AT RTE 921(CAPE POINT BEACH DAY USE PKG)

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014 : FRISCO CAMPGROUND ACCESS/BILLY MITC

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT NC SR 12
0.147	0.147	INTERSECTION	RIGHT	RTE 940
0.155	0.164	CURB	RIGHT	
0.168	0.168	INTERSECTION	RIGHT	
0.383	0.387	CURB	RIGHT	
0.389	0.389	INTERSECTION	RIGHT	
0.393	0.402	CURB	RIGHT	
0.401	0.401	INTERSECTION	RIGHT	
0.408	0.409	CURB	RIGHT	
0.989	1.023	PULLOUT	RIGHT	
0.990	1.024	CURB	RIGHT	
1.052	1.052	INTERSECTION	RIGHT	
1.120	1.124	CURB	LEFT	
1.140	1.140	INTERSECTION	LEFT	
1.170	1.170			ROUTE ENDS AT RTE 227 (FRISCO CAMPGROUND)

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0202 : LIGHTHOUSE BAY DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT NC SR 12
0.730	0.730	INTERSECTION	RIGHT	RTE 405 BODIE ISLAND SUB DISTRICT BONE YARD ROA
0.869	0.869	INTERSECTION	LEFT	
1.025	1.025	INTERSECTION	RIGHT	
1.075	1.075	INTERSECTION	RIGHT	
1.083	1.102	CURB	RIGHT	
1.104	1.104	INTERSECTION	RIGHT	
1.117	1.129	CURB	RIGHT	
1.133	1.133	INTERSECTION	RIGHT	
1.139	1.163	CURB	RIGHT	
1.169	1.169	INTERSECTION	RIGHT	
1.199	1.199	INTERSECTION	LEFT	
1.210	1.210			ROUTE ENDS AT END OF PARKING LOOP

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0210 : PEA ISLAND DAY USE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT NC SR 12
0.007	0.007	INTERSECTION	RIGHT	
0.230	0.230			ROUTE ENDS AT END

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0227 : FRISCO CAMPGROUND LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT END OF RTE 014
0.058	0.061	CURB	LEFT	
0.093	0.093	INTERSECTION	LEFT	
0.110	0.110	INTERSECTION	LEFT	
0.133	0.133	INTERSECTION	RIGHT	
0.144	0.144	INTERSECTION	RIGHT	
0.145	0.145	INTERSECTION	LEFT	
0.156	0.156	INTERSECTION	RIGHT	
0.175	0.175	INTERSECTION	LEFT	
0.177	0.177	INTERSECTION	RIGHT	
0.180	0.180	INTERSECTION	LEFT	
0.208	0.208	INTERSECTION	LEFT	
0.220	0.220	INTERSECTION	LEFT	
0.230	0.230	INTERSECTION	LEFT	
0.233	0.233	INTERSECTION	RIGHT	
0.243	0.243	INTERSECTION	LEFT	
0.245	0.245	INTERSECTION	RIGHT	
0.262	0.262	INTERSECTION	LEFT	
0.277	0.277	INTERSECTION	RIGHT	
0.282	0.282	INTERSECTION	LEFT	
0.297	0.297	INTERSECTION	LEFT	
0.306	0.318	PULLOUT	RIGHT	
0.311	0.311	INTERSECTION	LEFT	
0.327	0.327	INTERSECTION	LEFT	
0.337	0.337	INTERSECTION	RIGHT	
0.346	0.346	INTERSECTION	LEFT	
0.360	0.360	INTERSECTION	LEFT	

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0227 : FRISCO CAMPGROUND LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.365	0.365	INTERSECTION	RIGHT	
0.370	0.370	INTERSECTION	LEFT	
0.382	0.382	INTERSECTION	RIGHT	
0.387	0.387	INTERSECTION	LEFT	
0.389	0.405	PULLOUT	RIGHT	
0.396	0.396	INTERSECTION	LEFT	
0.419	0.419	INTERSECTION	LEFT	
0.423	0.423	INTERSECTION	RIGHT	
0.443	0.443	INTERSECTION	LEFT	
0.446	0.446	INTERSECTION	RIGHT	
0.449	0.449	INTERSECTION	LEFT	
0.468	0.468	INTERSECTION	RIGHT	
0.477	0.477	INTERSECTION	LEFT	
0.479	0.479	INTERSECTION	RIGHT	
0.482	0.482	INTERSECTION	LEFT	
0.507	0.507	INTERSECTION	LEFT	
0.525	0.525	INTERSECTION	RIGHT	
0.561	0.561	INTERSECTION	LEFT	
0.568	0.568	INTERSECTION	RIGHT	
0.580	0.580	INTERSECTION	LEFT	
0.588	0.588	INTERSECTION	RIGHT	
0.591	0.591	INTERSECTION	LEFT	
0.615	0.615	INTERSECTION	RIGHT	
0.624	0.624	INTERSECTION	RIGHT	
0.627	0.627	INTERSECTION	RIGHT	
0.648	0.648	INTERSECTION	RIGHT	
0.654	0.654	INTERSECTION	LEFT	

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0227 : FRISCO CAMPGROUND LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.669	0.669	INTERSECTION	RIGHT	
0.675	0.675	INTERSECTION	LEFT	
0.698	0.698	INTERSECTION	RIGHT	
0.702	0.702	INTERSECTION	LEFT	
0.713	0.713	INTERSECTION	LEFT	
0.719	0.719	INTERSECTION	RIGHT	
0.737	0.737	INTERSECTION	RIGHT	
0.744	0.744	INTERSECTION	LEFT	
0.749	0.749	INTERSECTION	LEFT	
0.769	0.769	INTERSECTION	LEFT	
0.775	0.775	INTERSECTION	RIGHT	
0.788	0.788	INTERSECTION	LEFT	
0.790	0.790	INTERSECTION	RIGHT	
0.802	0.802	INTERSECTION	LEFT	
0.840	0.840	INTERSECTION	RIGHT	
0.847	0.847	INTERSECTION	LEFT	
0.863	0.863	INTERSECTION	RIGHT	
0.885	0.885	INTERSECTION	LEFT	
0.891	0.891	INTERSECTION	RIGHT	
0.893	0.893	INTERSECTION	LEFT	
0.906	0.906	INTERSECTION	RIGHT	
0.916	0.916	INTERSECTION	LEFT	
0.951	0.951	INTERSECTION	RIGHT	
0.957	0.957	INTERSECTION	LEFT	
1.004	1.004	INTERSECTION	LEFT	
1.016	1.016	INTERSECTION	RIGHT	
1.036	1.036	INTERSECTION	LEFT	

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0227 : FRISCO CAMPGROUND LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.045	1.045	INTERSECTION	RIGHT	
1.079	1.091	PULLOUT	RIGHT	
1.081	1.092	PULLOUT	LEFT	
1.106	1.116	PULLOUT	RIGHT	
1.120	1.120	INTERSECTION	RIGHT	
1.128	1.141	PULLOUT	LEFT	
1.163	1.163	INTERSECTION	LEFT	
1.179	1.179	INTERSECTION	LEFT	
1.190	1.190	INTERSECTION	LEFT	
1.204	1.204	INTERSECTION	LEFT	
1.218	1.218	INTERSECTION	LEFT	
1.240	1.240			ROUTE ENDS AT END OF LOOP
1.240	1.240	INTERSECTION	LEFT	
1.241	1.241	INTERSECTION	RIGHT	

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0230 : COAST GUARD ACCESS AT HATTERAS

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT NC SR 12
0.067	0.067	INTERSECTION	LEFT	
0.067	0.067	INTERSECTION	RIGHT	
0.084	0.084	INTERSECTION	RIGHT	
0.106	0.106	INTERSECTION	RIGHT	
0.121	0.121	INTERSECTION	LEFT	
0.173	0.173	INTERSECTION	LEFT	
0.380	0.380			ROUTE ENDS AT COAST GUARD ENTRANCE GATE

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0240 : LIGHTHOUSE ACCESS ROAD ??

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT WHERE RTE 012 TURNS TO THE RIGHT(BEFORE RTE 917)
0.064	0.064	INTERSECTION	LEFT	
0.070	0.070			ROUTE ENDS AT CAPE HATTERAS LIGHTHOUSE PARKING(936)
0.077	0.077	INTERSECTION	RIGHT	

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0241 : OCRACOKE RESIDENCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT NEAR WATER TOWER IN OCRAC
0.070	0.083	CURB	LEFT	
0.080	0.080			ROUTE ENDS AT N/A

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0400 : PARK SERVICE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 238 (S OLD OREGON IN
0.027	0.027	INTERSECTION	LEFT	
0.028	0.090	CURB	LEFT	
0.067	0.067	INTERSECTION	LEFT	
0.090	0.090	INTERSECTION	RIGHT	
0.097	0.097	INTERSECTION	LEFT	
0.194	0.194	INTERSECTION	RIGHT	
0.213	0.213	INTERSECTION	RIGHT	
0.339	0.339	INTERSECTION	LEFT	
0.390	0.390			ROUTE ENDS AT END OF LOOP

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0401 : OREGON INLET COAST GUARD ACCESS

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT NC SR 12
0.082	0.082	CULVERT	N/A	
0.143	0.143	CULVERT	N/A	
0.179	0.179	CULVERT	N/A	
0.216	0.216	CULVERT	N/A	
0.250	0.250			ROUTE ENDS AT COAST GUARD GATE

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0405 : BODIE ISLAND SUB DISTRICT BONE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 202
0.288	0.288	INTERSECTION	RIGHT	
0.300	0.300			ROUTE ENDS AT MAINTENANCE YARD

CAHA: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0410 : LOGGERHEAD LANE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT RTE 012
0.077	0.077	INTERSECTION	RIGHT	
0.134	0.134	INTERSECTION	LEFT	
0.190	0.190	INTERSECTION	RIGHT	
0.508	0.508	INTERSECTION	LEFT	
0.514	0.514	INTERSECTION	RIGHT	
0.972	0.972	INTERSECTION	RIGHT	
1.049	1.049	INTERSECTION	RIGHT	
1.053	1.053	INTERSECTION	LEFT	
1.060	1.060			ROUTE ENDS AT RTE 418

APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
5190	Numeric Code for Cape Hatteras National Seashore
AADT	Annually Adjusted Daily Traffic. Average daily traffic adjusted for the term period comprising 80% of annual visitation
CAHA	Alpha Code for Cape Hatteras 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.

Shoulder Rating Criteria

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

Good Shoulders

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

Poor Shoulder

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

APPENDIX C: DIGITAL IMAGE INFORMATION

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

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

APPENDIX D: METADATA

ARAN ROUTE GPS DATA

Background information of route spatial data.

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

Data Collection Device:

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

Accuracy: Expected ground accuracy is 1 meter *

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

Geographic Datum: WGS 1984

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

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

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

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

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

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

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

Specific Caveats

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

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

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

Key to Notes in Tables

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

Access Database Metadata

Master Table Metadata:

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

PMS_Feature Table Metadata:

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

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

PMS_20, PMS_Mile & PMS_Visidata Tables Metadata:

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

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

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

Cycle 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

caha_pkg_03

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: caha_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: 05/20/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -75.986472
East_Bounding_Coordinate: -75.472959
North_Bounding_Coordinate: 35.905342
South_Bounding_Coordinate: 35.107740
Keywords:
Theme:
Theme_Keyword_Thesaurus: CAHA
Theme_Keyword: CAHA
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: 41

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: caha_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: 20050722
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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caha_pkg_03_map

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: caha_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: 05/20/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -75.986412
East_Bounding_Coordinate: -75.473044
North_Bounding_Coordinate: 35.905347
South_Bounding_Coordinate: 35.107663
Keywords:
Theme:
Theme_Keyword_Thesaurus: CAHA
Theme_Keyword: CAHA
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: 41

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: caha_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: 20050721
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Thu Jul 21 16:52:37 2005

caha_nonnps

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: caha_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: -75.987131
East_Bounding_Coordinate: -75.473074
North_Bounding_Coordinate: 35.767317
South_Bounding_Coordinate: 35.104269
Keywords:
Theme:
Theme_Keyword_Thesaurus: CAHA
Theme_Keyword: CAHA
Access_Constraints: None

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

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

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: String
Point_and_Vector_Object_Count: 30

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: caha_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: CAHA_MI_
Attribute:
Attribute_Label: CAHA_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: Rte_Name

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

Metadata_Reference_Information:
Metadata_Date: 20050726
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Tue Jul 26 12:01:12 2005

caha_mrp_03_map

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: caha_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: 05/21/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -75.984744
East_Bounding_Coordinate: -75.474010
North_Bounding_Coordinate: 35.838448
South_Bounding_Coordinate: 35.104583
Keywords:
Theme:
Theme_Keyword_Thesaurus: CAHA
Theme_Keyword: CAHA
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: 13

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: caha_mrp_03_map
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: PARK_ALPHA
Attribute_Definition: Park alpha code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NO
Attribute_Definition: Route Number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NAME
Attribute_Definition: Route Name
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: SECTION_
Attribute_Definition: Route section ID
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute:
Attribute_Label: CONDITION
Attribute_Definition: Condition rating
Attribute:
Attribute_Label: COMMENT
Attribute_Definition: Field comment
Attribute:
Attribute_Label: GPS_DATE
Attribute_Definition: Date of GPS collection
Attribute:
Attribute_Label: DATAFILE
Attribute:
Attribute_Label: SQ_FT
Attribute_Definition: Area of manually rated road in squre feet

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

Metadata_Reference_Information:
Metadata_Date: 20050721
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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caha_mrp_03

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: caha_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: 5/21/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -75.984744
East_Bounding_Coordinate: -75.474010
North_Bounding_Coordinate: 35.838448
South_Bounding_Coordinate: 35.104583
Keywords:
Theme:
Theme_Keyword_Thesaurus: CAHA
Theme_Keyword: CAHA
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: 13

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: caha_mrp_03
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: PARK_ALPHA
Attribute_Definition: Park alpha code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NO
Attribute_Definition: Route Number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NAME
Attribute_Definition: Route Name
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: SECTION_
Attribute_Definition: Route section ID
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute:
Attribute_Label: CONDITION
Attribute_Definition: Condition rating
Attribute:
Attribute_Label: COMMENT
Attribute_Definition: Field comment
Attribute:
Attribute_Label: GPS_DATE
Attribute_Definition: Date of GPS collection
Attribute:
Attribute_Label: DATAFILE
Attribute:
Attribute_Label: SQ_FT
Attribute_Definition: Area of manually rated road in squre feet

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

Metadata_Reference_Information:
Metadata_Date: 20050721
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Thu Jul 21 16:15:53 2005

caha_mi_pt

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: caha_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: -75.983398
East_Bounding_Coordinate: -75.520081
North_Bounding_Coordinate: 35.906319
South_Bounding_Coordinate: 35.117161
Keywords:
Theme:
Theme_Keyword_Thesaurus: CAHA
Theme_Keyword: CAHA
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: 25

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: caha_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: 20050721
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
Address: 21400 Ridgetop Circle
City: Sterling
State_or_Province: Virginia

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

Generated by mp version 2.7.33 on Thu Jul 21 16:55:54 2005

caha_mi

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: caha_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: -75.983704
East_Bounding_Coordinate: -75.520081
North_Bounding_Coordinate: 35.906319
South_Bounding_Coordinate: 35.117161
Keywords:
Theme:
Theme_Keyword_Thesaurus: CAHA
Theme_Keyword: CAHA

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

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

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

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

Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: caha_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: CAHA_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: CAHA_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: 20050721
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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caha_seg

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: caha_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: -75.983574
East_Bounding_Coordinate: -75.520081
North_Bounding_Coordinate: 35.906319
South_Bounding_Coordinate: 35.117161
Keywords:
Theme:
Theme_Keyword_Thesaurus: CAHA
Theme_Keyword: CAHA

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: 116

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: caha_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: CAHA_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: CAHA_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

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

Transfer_Size: 0.016

Metadata_Reference_Information:
Metadata_Date: 20050721
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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