The Road Inventory
of
Indiana Dunes National Lakeshore
INDU - 6300

national park service

Road Inventory Program

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

Indiana Dunes National Lakeshore
in
Indiana

TABLE OF CONTENTS

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:

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

Indiana Dunes National Lakeshore Summaries

Overall Park Mileage Summary

PARK TOTAL SUMMARY ITEMS	TOTAL	DATE
Paved ARAN Driven Route Miles	23.66	9/11/2003
Unpaved Estimated Route Miles	0.76	9/11/2003
Paved ARAN and Unpaved Route Miles	24.42	
Paved ARAN Driven Lane Miles	45.59	9/11/2003
Paved MRR Lane Miles	0.09	9/11/2003
Parking Lot Lane Miles	15.44	9/11/2003
Total Paved Lane Miles	61.12	

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)

Indiana Dunes National Lakeshore 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	5.43	$162,900
Good	3.68	$404,800
Fair	4.34	$2,430,400
Poor	10.21	$15,723,400
Totals	**23.66**	**$18,721,500**

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).

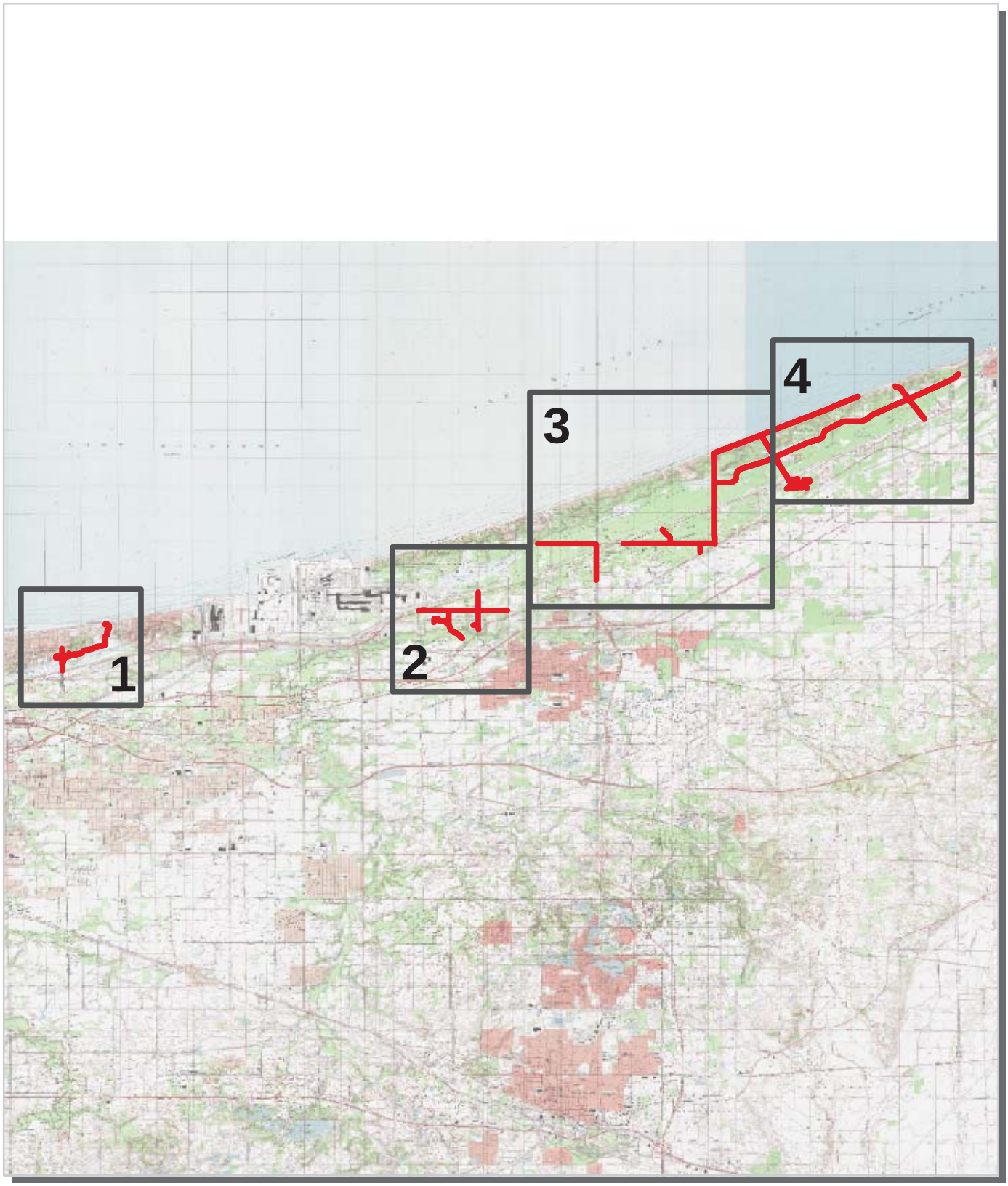
These numbers are for preliminary planning purposes only and should not be used for project level proposals. For park planning level analysis, apply your park multiplier for more accurate regional costs.

Indiana Dunes National Lakeshore 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	0.12	0.51%	0.26	1.10%	0.38	1.61%	1.51	6.38%	2.27
2	9.97	42.14%	3.66	15.47%	2.80	11.83%	3.51	14.84%	19.94
3			0.24	1.01%	0.32	1.35%	0.17	0.72%	0.73
4	0.10	0.42%	0.12	0.51%	0.16	0.68%	0.24	1.01%	0.62
5	0.02	0.08%	0.06	0.25%	0.02	0.08%			0.10
6									
7									
8									
Totals	**10.21**	**43.15%**	**4.34**	**18.34%**	**3.68**	**15.55%**	**5.43**	**22.95%**	**23.66**

Indiana Dunes National Lakeshore
Route Location
Key Map



Park Owned Routes

4 2 0 4 Miles

N

3-1

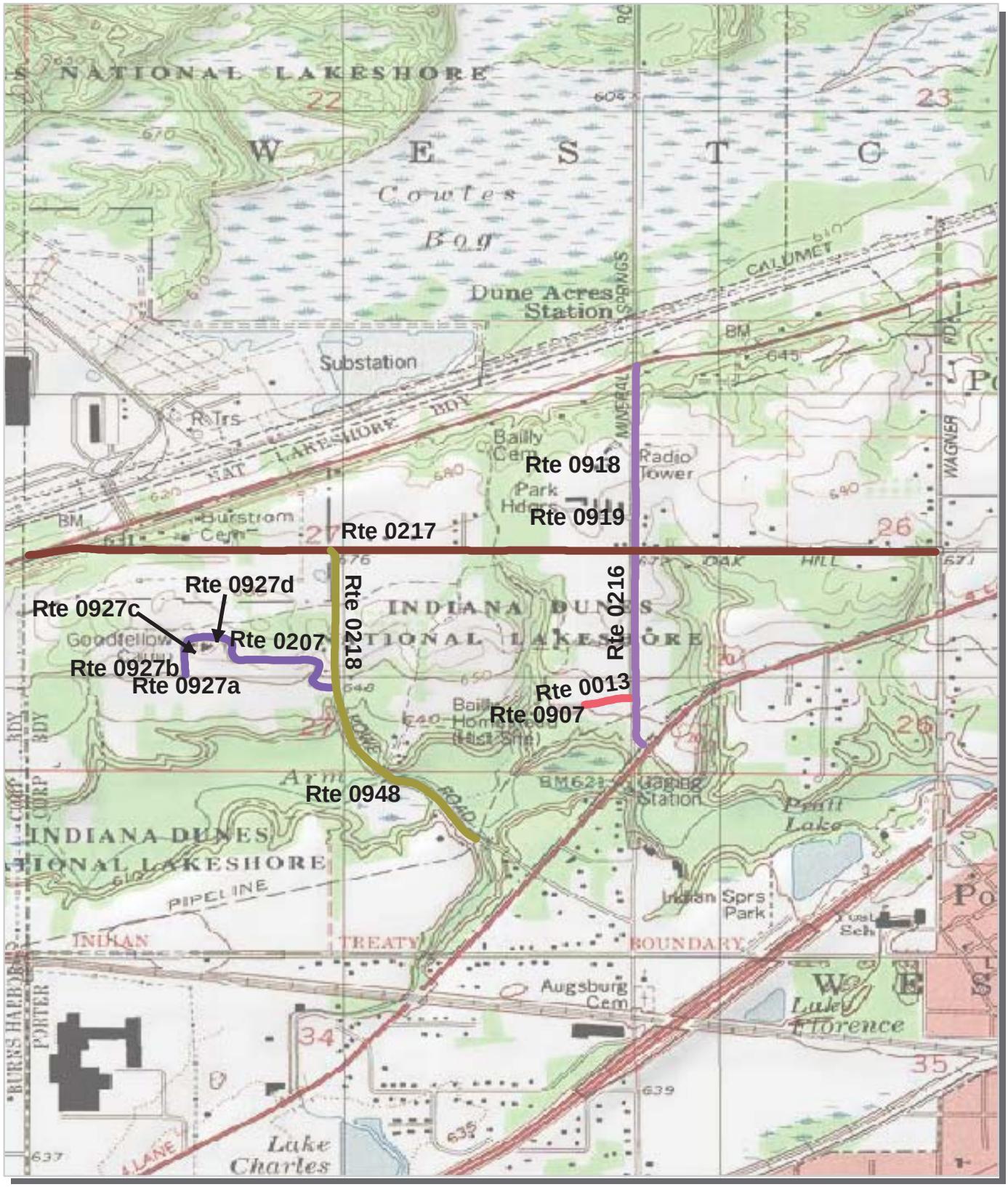
Indiana Dunes National Lakeshore
Route Location Map
Area Map 1

Unique colors used to differentiate routes

0.25 0.125 0 0.25
Miles

N

Indiana Dunes National Lakeshore
Route Location Map
Area Map 2



Unique colors used to differentiate routes

0.5 0.25 0 0.5 Miles

N

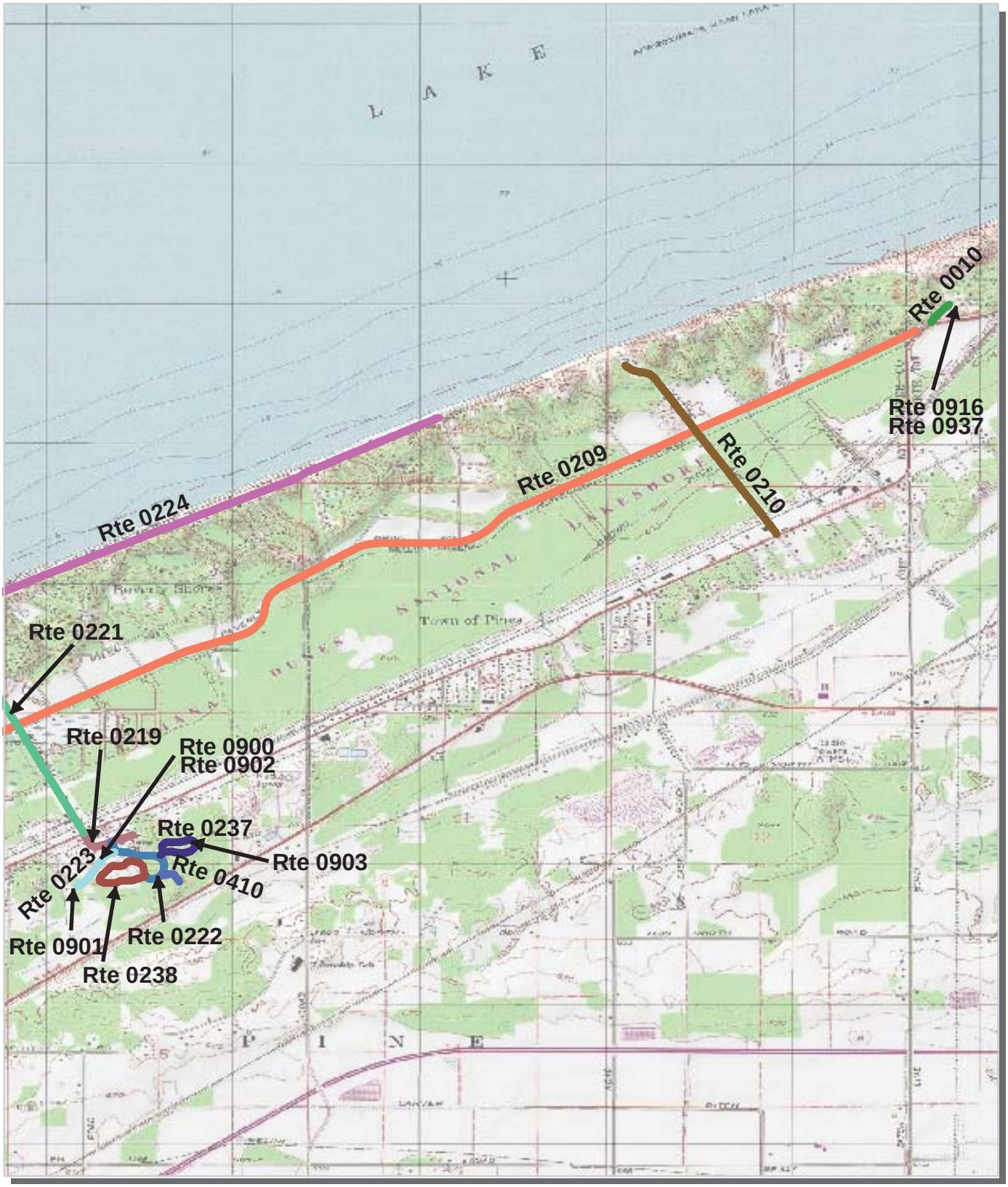
Indiana Dunes National Lakeshore
Route Location Map
Area Map 3

Unique colors used to differentiate routes

1 0.5 0 1 Miles

N

Indiana Dunes National Lakeshore
Route Location Map
Area Map 4

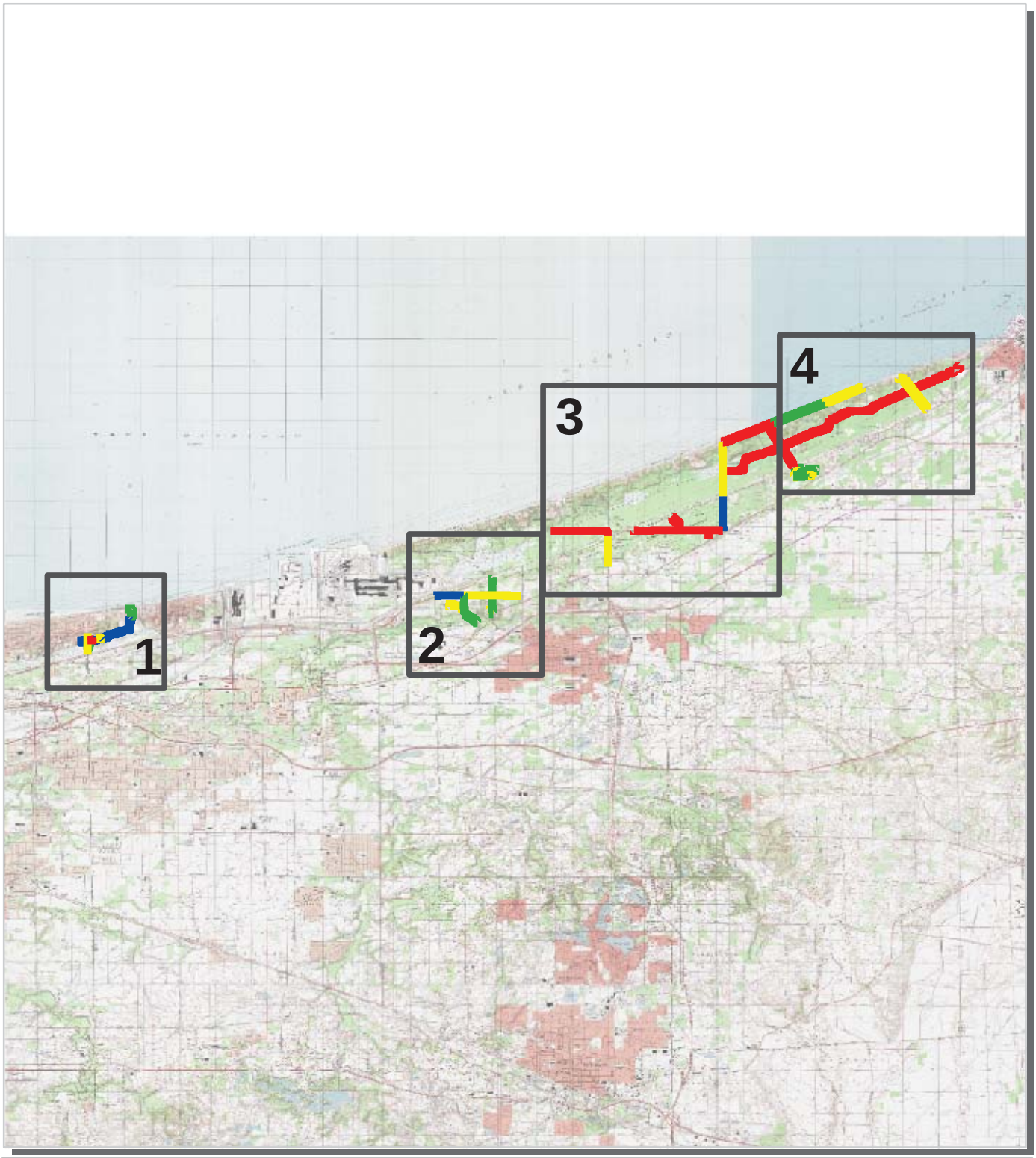


Unique colors used to differentiate routes

0.5 0.25 0 0.5 Miles

N

Indiana Dunes National Lakeshore
Route Condition Key Map
PCR - Mile by Mile



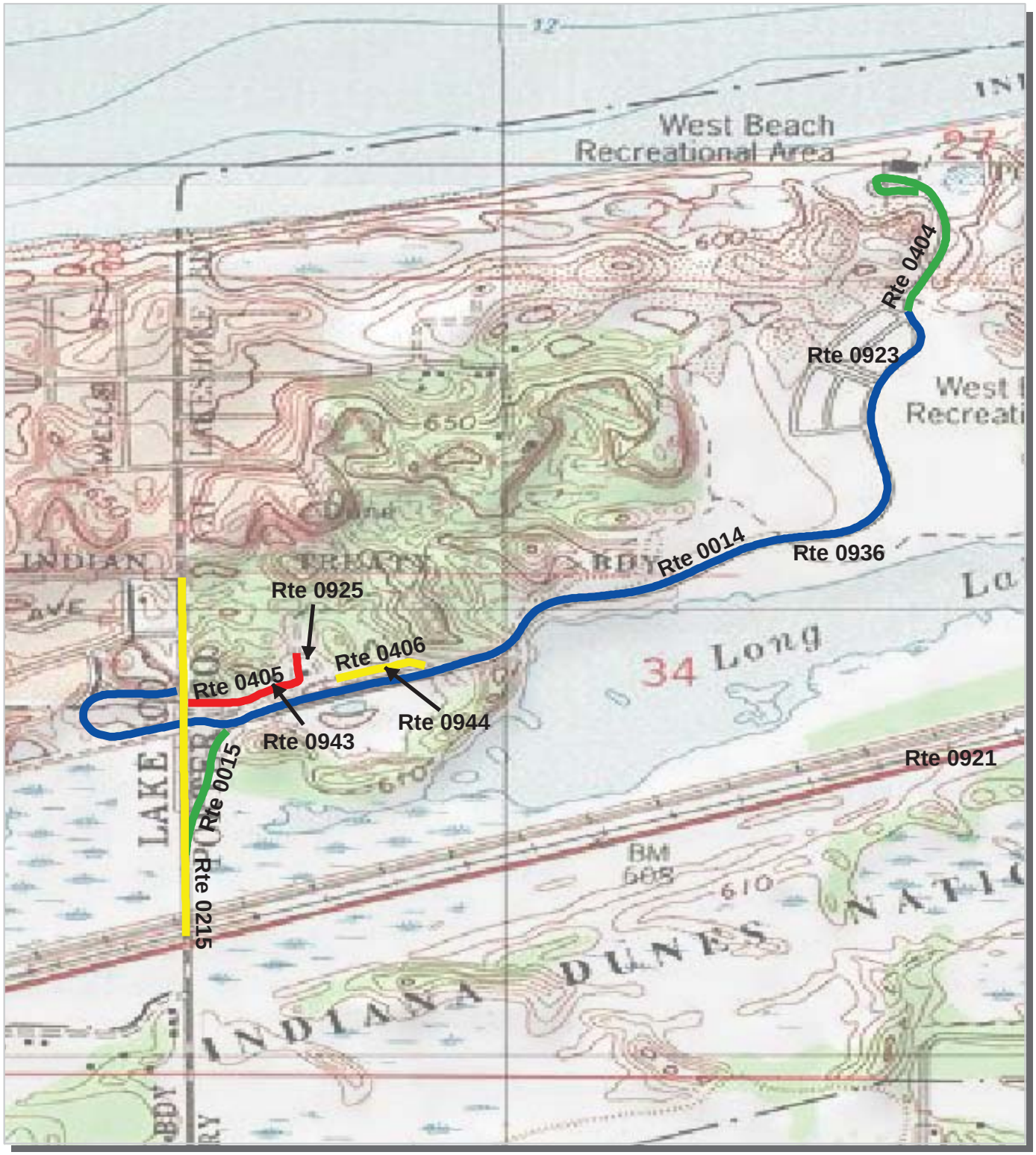
PCR | Poor (<=60) | Fair (61 - 84) | Good (85 - 94) | Excellent (95 - 100)

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

4 2 0 4 Miles

N

Indiana Dunes National Lakeshore
Route Condition Area Map 1
PCR - Mile by Mile



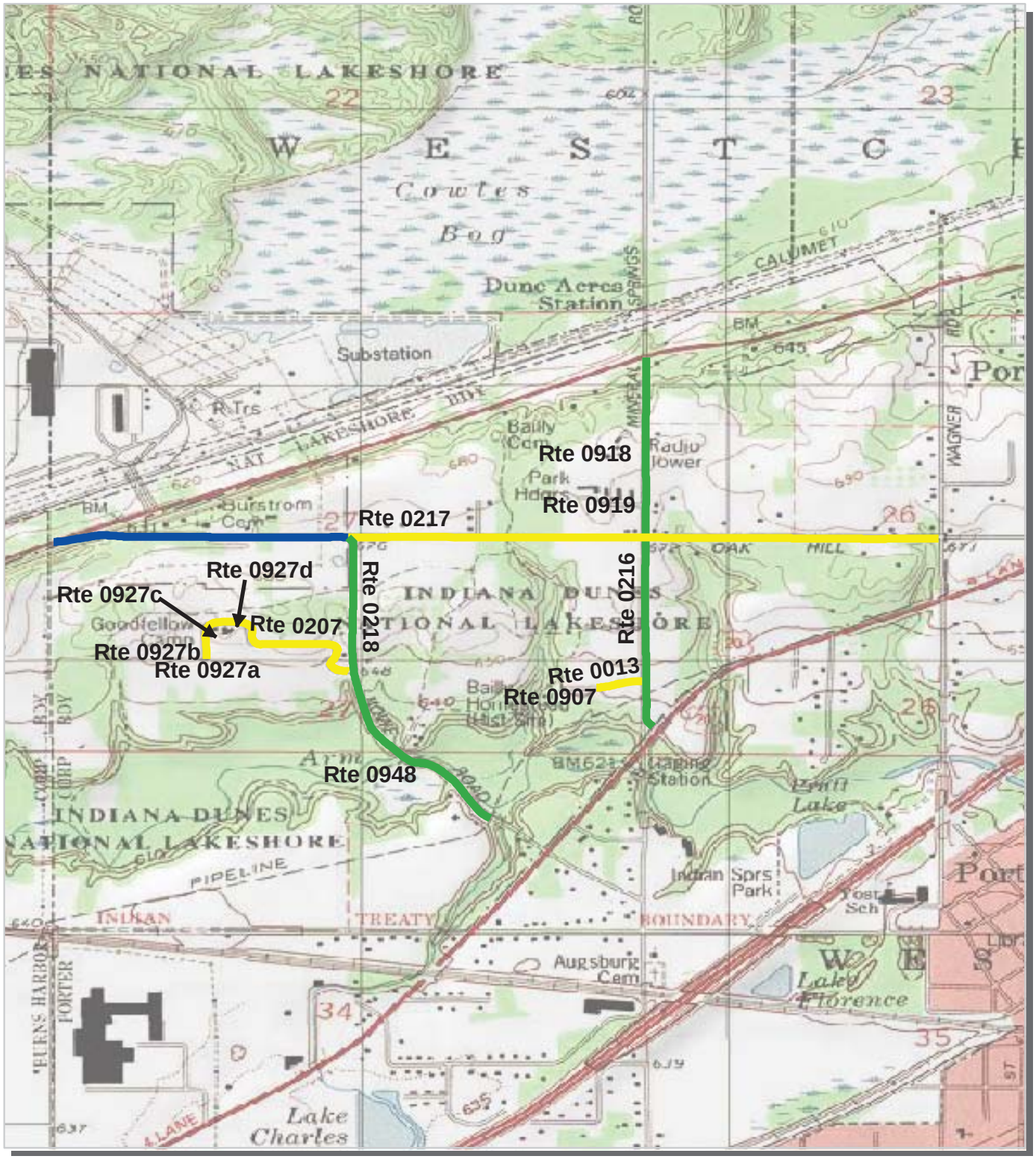
PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

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

0.25 0.125 0 0.25 Miles

N

Indiana Dunes National Lakeshore
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.

0.5 0.25 0 0.5 Miles

N

Indiana Dunes National Lakeshore
Route Condition Area Map 3
PCR - Mile by Mile

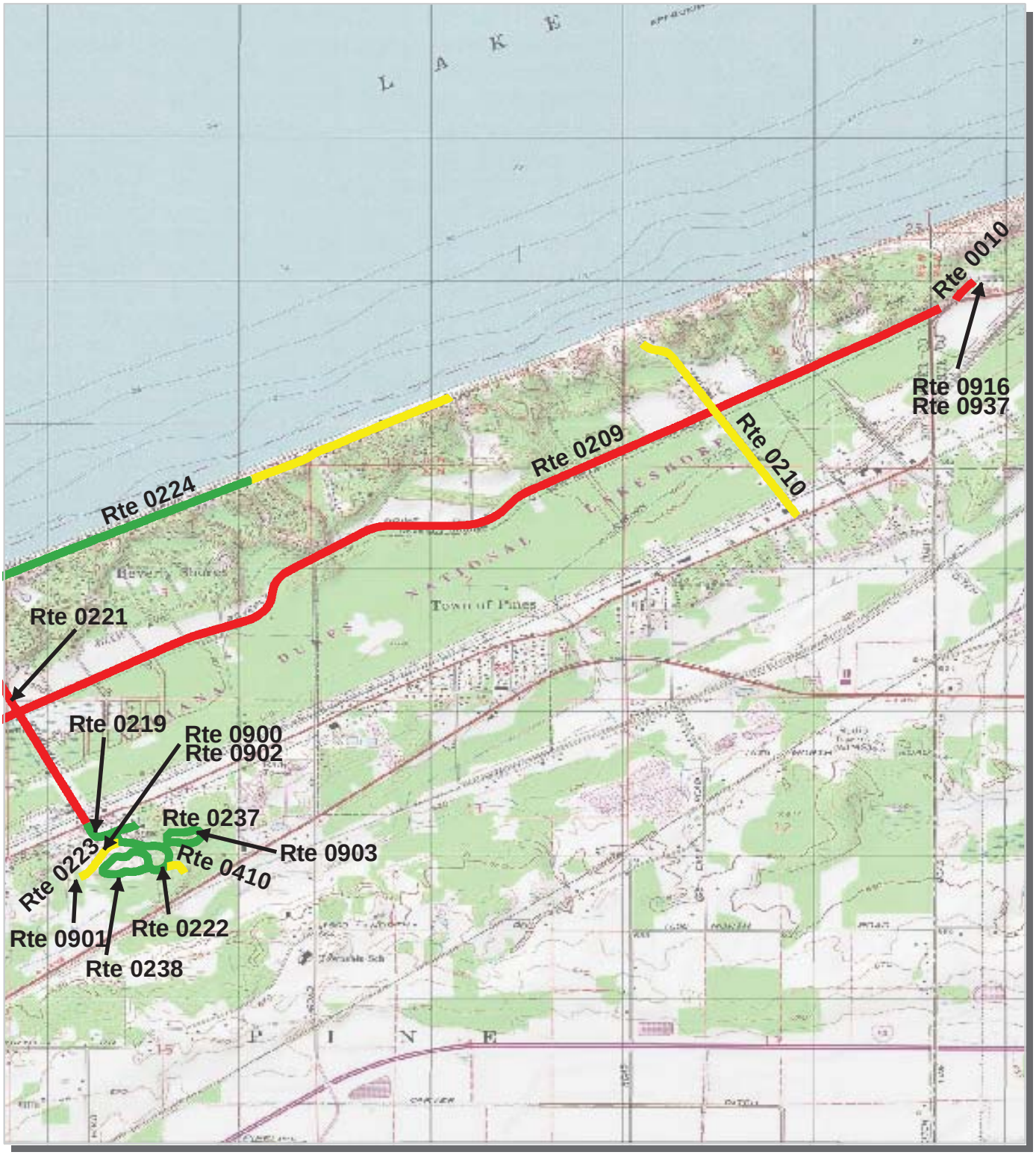
PCR	Poor	Fair	Good	Excellent
	(<=60)	(61 - 84)	(85 - 94)	(95 - 100)

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

1 0.5 0 1 Miles

N

Indiana Dunes National Lakeshore
Route Condition Area Map 4
PCR - Mile by Mile



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

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

0.5 0.25 0 0.5 Miles

N

NPS/RIP Route ID Report

(Numerical By Route #)

Shading Color Key:
Red text denotes approx. mileage

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

INDU

Indiana Dunes National Lakeshore

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	56777	RICE STREET (MT. BALDY ACCESS ROAD)	From U.S. 12	To Route 0916	0.12	0.00	0.12	1	2	0	OC
0011		VALLEY WEST PARKING AREA ACCESS	From Route 0210	To End of Route 0915	0.00	0.13	0.13	3	2	0	GR
0013	48892	BAILLY/CHELLBERG VISITOR CENTER ROAD	From Route 0216 on Left	To Route 0907	0.09	0.00	0.09	1	2	0	AS
0014	48894	WEST BEACH ACCESS ROAD	From Route 0215	To Route 0923 and Route 0404	1.36	0.00	1.36	1	2	0	AS
0015	48968	WEST BEACH ENTRY ROAD	From Route 0215	To Route 0014	0.19	0.00	0.19	1	2	0	AS
0201		DUNE RIDGE TRAIL ROAD	From South Route 0211	To North Route 0211	0.00	0.09	0.09	4	2	0	GR
0205		INTERPRETIVE STUDIES ACCESS ROAD	From State Route 49 North	To State Route 49 South	0.00	0.06	0.06	4	2	0	GR
0206	25903	CHELLBERG FARM ROAD	From Route 0216	To Farm	0.00	0.07	0.07	3	2	0	GR
0207	25512	GOODFELLOW CAMP ROAD	From Route 0218	To End of pavement at Route 0927A	0.44	0.00	0.44	2	2	0	OC
0208	25904	BAILLY HOMESTEAD ACCESS ROAD	From Route 0218	To Homestead	0.00	0.10	0.10	4	2	0	GR
0209	56309	BEVERLY DRIVE	From U.S. 12	To Route 0211	4.84	0.00	4.84	2	2	0	OC
0210	24757	CENTRAL AVENUE	From U.S. 12 at MP 8.43	To Beach State Route 12	0.93	0.00	0.93	2	2	0	AS
0211	48910	EAST STATE PARK ROAD (300 EAST ROAD)	From U.S. 12	To Route 0224	1.24	0.00	1.24	2	2	0	OC
0212	48911	KEMIL ROAD (300 EAST ROAD)	From U.S. 20	To U.S. 12 at MP 4.40	0.82	0.00	0.82	2	2	0	OC
0213	48912	FURNESSVILLE ROAD (1500 NORTH ROAD)	From Route 0212	To U.S. 12 at MP 2.68	1.55	0.00	1.55	2	2	0	OC
0214	48913	TEALE ROAD	From Route 0213	To U.S. 12 at MP 3.40 on Right	0.38	0.00	0.38	2	2	0	OC
0215	56308	COUNTY LINE ROAD	From U.S. 12	To Miller City Limits	0.51	0.00	0.51	1	2	0	OC
0216	24756	MINERAL SPRINGS ROAD	From U.S. 20	To U.S. 12	0.85	0.00	0.85	2	2	0	AS
0217	48914	OAK HILL ROAD	From Wagner Road	To U.S. 12	1.51	0.00	1.51	2	2	0	OC
0218	48915	HOWE ROAD	From Route 0217	To U.S. 20	0.73	0.00	0.73	2	2	0	OC
0219	46860	DUNEWOOD AMPETHEATER ACCESS ROAD/BROADWAY	From Intersection of U.S. 12 and Route 0221	To Route 0935	0.22	0.00	0.22	2	2	0	AS
0220	55998	SCHOOL HOUSE ROAD (275 E)	From Route 0213	To U.S. 20	0.22	0.00	0.22	2	2	0	OC
0221	56307	BROADWAY	From U.S. 12	To Town Plaza at Route 0224	1.08	0.00	1.08	2	2	0	AS
0222	24752	DUNEWOOD / MATHER CAMPGROUND ACCESS ROAD	From Route 0219	To Route 0238	0.35	0.00	0.35	2	2	0	OC
0223	49001	DUNEWOOD R.V. DUMP STATION ROAD	From Route 0222	To End	0.22	0.00	0.22	2	2	0	OC
0224	56305	LAKE FRONT DRIVE	From end of Route 0211	To End	2.76	0.00	2.76	2	2	0	AS
0225	56300	TREMONT AVENUE	From South Park Boundary	To Route 0226	0.82	0.00	0.82	2	2	0	OC

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 =

INDU

Indiana Dunes National Lakeshore

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
0226	24761	SOUTH STATE PARK ROAD (1500 NORTH ROAD)	From Waverly Road	To End of Route 0225 and RR tracks	0.99	0.00	0.99	2	2	0	OC
0227		PARK AVENUE	From Route 0226	To Lawndale Street	0.00	0.00	0.00	3	1	0	GR
0228		CALUMET AVENUE	From Route 0226	To Lawndale Street	0.00	0.00	0.00	3	1	0	GR
0229		CENTRAL AVENUE	From Route 0226	To End	0.00	0.00	0.00	3	1	0	GR
0230		PRAIRE AVENUE	From Route 0226	To End	0.00	0.00	0.00	3	1	0	GR
0231		WESTERN AVENUE	From Route 0226	To End	0.00	0.00	0.00	3	1	0	GR
0232		LAWNDALE STREET	From Route 0231	To Route 0227	0.00	0.00	0.00	3	1	0	GR
0234		VALLEY WEST AVENUE	From Route 0210	To Route 0935	0.00	0.00	0.00	3	1	0	GR
0237	55833	DOUGLAS CAMPGROUND LOOP	From Route 0222	To End of Loop	0.32	0.00	0.32	3	1	0	OC
0238		MATHER CAMPGROUND LOOP	From End of Route 0222	To End of loop	0.41	0.00	0.41	3	1	0	AS
0239		BAILEY DRIVE	From Route 0217	To End	0.08	0.00	0.08	3	2	0	AS
0400	25902	FIRING RANGE ROAD	Adjacent To Route 0212		0.00	0.00	0.00	4	2	0	GR
0401		CALUMET DUNE TRAIL	Adjacent To Route 0212		0.00	0.00	0.00	4	2	0	GR
0404	56012	SERVICE ACCESS ROAD	From End of Route 0014	To End of Loop	0.32	0.00	0.32	4	2	0	AS
0405	49002	WEST BEACH WEST MAINTENANCE ROAD	From Route 0215	To End at Route 0925 on right	0.18	0.00	0.18	4	2	0	AS
0406	25797	WEST BEACH SERVICE ROAD	From Route 0014	To Route 0925	0.12	0.00	0.12	4	2	0	AS
0409	24753	DUNEWOOD WATER STORAGE ROAD	From Route 0219	To End	0.04	0.00	0.04	5	2	5,249	OC
0410	25514	DUNEWOOD SERVICE ROAD	From Route 0222	To End	0.10	0.00	0.10	5	1	0	OC
0700	25905	GOOD FELLOW GRAVEL SERVICE ROADS	From	To	0.00	0.30	0.30	ZZ		0	GR
0900	56393	DUNEWOOD CAMPGROUND REGISTRATION PARKING	Adjacent to Route 0222 and Route 0223		0.00	0.00	0.00	9	0	6,561	OC
0901	56394	DUNEWOOD R.V. DUMP STATION PARKING	Adjacent to Route 0223		0.00	0.00	0.00	9	0	8,467	OC
0902	56395	DUNEWOOD CAMPGROUND HOST PARKING	Adjacent to Route 0223		0.00	0.00	0.00	9	0	1,517	AS
0903	56397	DUNEWOOD-DOUGLAS WALK-IN PARKING	Adjacent to Route 0237		0.00	0.00	0.00	9	0	4,687	AS
0904	24732	DORTHY BUELL VISITOR CENTER PARKING	Adjacent to Route 0212		0.00	0.00	0.00	9	0	16,710	OC
0905	25516	DOROTHY BUELL ANNEX PARKING	Adjacent to Route 0212		0.00	0.00	0.00	9	0	7,229	AS
0906	24734	KEMIL BEACH PARKING	Adjacent to Route 0211		0.00	0.00	0.00	9	0	37,732	OC
0907	56219	BAILLY/CHELLBERG VISITOR CENTER PARKING	At End of Route 0013		0.00	0.00	0.00	9	0	29,980	AS
0908	59792	BAILLY OVERFLOW PARKING	Adjacent to Route 0216		0.00	0.00	0.00	9	0	0	GR

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 =

INDU

Indiana Dunes National Lakeshore

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
0909		CHELLBERG FARM PARKING	Adjacent to Route 0216 on Left		0.00	0.00	0.00	9	0	0	GR
0910		BAILLY HOMESTEAD PARKING	Adjacent to Route 0218		0.00	0.00	0.00	9	0	0	GR
0911		BAILLY CEMETERY PARKING	Adjacent to Route 0218		0.00	0.00	0.00	9	0	0	GR
0912		BATH HOUSE PARKING	Adjacent to State Road 49		0.00	0.00	0.00	9	0	0	GR
0913	24725	LAKE VIEW BEACH PARKING	Adjacent to Route 0224		0.00	0.00	0.00	9	0	9,387	AS
0914	56223	ROSTONE HOUSE PARKING AREA	Adjacent to Route 0224		0.00	0.00	0.00	9	0	1,992	AS
0915	24727	CENTRAL AVENUE BEACH PARKING	Adjacent to Route 0210		0.00	0.00	0.00	9	0	0	GR
0916	24729	MT. BALDY TRAIL PARKING	At End of Route 0010		0.00	0.00	0.00	9	0	53,101	AS
0917	24726	LY-CO-KE-WE HORSE TRAIL PARKING	Adjacent to Route 0220		0.00	0.00	0.00	9	0	41,325	AS
0918	24760	BAILLY MAINTENANCE SHOPS PARKING	Adjacent to Route 0216		0.00	0.00	0.00	9	0	79,474	AS
0919	24759	BAILLY ADMINISTRATIVE PARKING	Adjacent to Route 0216		0.00	0.00	0.00	9	0	46,489	OC
0920	25510	DOUGLAS CENTER PARKING	Adjacent to Lake Street		0.00	0.00	0.00	9	0	26,931	AS
0921	52955	INLAND MARSH OVERLOOK PARKING	Adjacent to U.S. 12 (Ogden Dunes Area)		0.00	0.00	0.00	9	0	7,439	AS
0922	24748	INLAND MARSH TRAILHEAD PARKING	Adjacent to U.S. 12 (Ogden Dunes Area)		0.00	0.00	0.00	9	0	22,063	AS
0923	24754	WEST BEACH VISITOR CENTER PARKING	Adjacent to Route 0014		0.00	0.00	0.00	9	0	325,671	AS
0925	56225	WEST BEACH MAINTENANCE PARKING A	Adjacent to Route 0405 and Route 0406		0.00	0.00	0.00	9	0	16,011	OC
0926	56787	MARQUETTE PARK BOAT LAUNCH PARKING	Adjacent to Lake Street		0.00	0.00	0.00	9	0	100,609	OC
0927A		GOODFELLOW CAMP PARKING A	Adjacent to Route 0207		0.00	0.00	0.00	9	0	5,745	AS
0927B		GOODFELLOW CAMP PARKING B	Adjacent to Route 0207		0.00	0.00	0.00	9	0	8,839	AS
0927C		GOODFELLOW CAMP PARKING C	Adjacent to Route 0207		0.00	0.00	0.00	9	0	3,740	AS
0927D		GOODFELLOW CAMP PARKING D	Adjacent to Route 0207		0.00	0.00	0.00	9	0	3,851	AS
0928	46987	COWLES BOG TRAIL PARKING	Adjacent to Route 0216		0.00	0.00	0.00	9	0	0	GR
0929	46972	PORTER BEACH PARKING	At End of Johnson Beach Road		0.00	0.00	0.00	9	0	8,816	AS
0930	24730	TREMONT PICNIC AREA PARKING	Adjacent to U.S. 12		0.00	0.00	0.00	9	0	0	GR
0931		DUNE RIDGE TRAIL PARKING	Adjacent to Route 0908		0.00	0.00	0.00	9	0	0	GR
0933	58102	U.S.12 EAST PARKING	Adjacent to U.S. 12		0.00	0.00	0.00	9	0	0	GR
0934		VALLEY AVENUE WEST PARKING	Adjacent to Route 0234		0.00	0.00	0.00	9	0	0	GR

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 =	

INDU

Indiana Dunes National Lakeshore

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
0935		DUNEWOOD AMPETHEATER PARKING	Adjacent to Route 0219		0.00	0.00	0.00	9	0	0	GR
0936	46984	LONG LAKE TRAIL PARKING	Adjacent to Route 0014		0.00	0.00	0.00	9	0	6,914	AS
0937		BALDY BUS PARKING	Adjacent to Route 0010		0.00	0.00	0.00	9	0	10,756	AS
0938	25906	DUNBAR PARKING AREA	Adjacent to Dunbar Street off of Route 0224		0.00	0.00	0.00	9	0	0	OC
0939	24737	ROADS AND TRAILS PARKING	Adjacent to Route 0213 at MP 0.5		0.00	0.00	0.00	9	0	0	GR
0940	24745	PINHOOK BOG PARKING	Adjacent to Wozniak Road at MP 1.32 from Intersection with 200 North		0.00	0.00	0.00	9	0	0	GR
0941	24743	HERON ROOKERY PARKING	Adjacent to County Route 0600 East		0.00	0.00	0.00	9	0	0	GR
0943		MARQUETTE TRAIL PARKING	Adjacent to Route 0405		0.00	0.00	0.00	9	0	1,845	AS
0944		WEST BEACH SERVICE ROAD PARKING	Adjacent to Route 0406		0.00	0.00	0.00	9	0	1,525	AS
0945	25517	DOUGLAS CENTER WEST PARKING	Adjacent to Lake Street Across from Route 0920		0.00	0.00	0.00	9	0	0	GR
0946	82345	GLR CENTER/ CARETAKERS PARKING	Adjacent to Route 0218 on Left		0.00	0.00	0.00	9	0	0	GR
0948	82346	HOWE ROAD/CALUMET RIVER TRAIL PARKING	Adjacent to Route 0218		0.00	0.00	0.00	9	0	1,269	AS
0949		SCHOOL HOUSE PARKING	Adjacent to Route 0220		0.00	0.00	0.00	9	0	0	GR
				Totals:	23.79	0.76	**24.55**			901,924	

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.

****

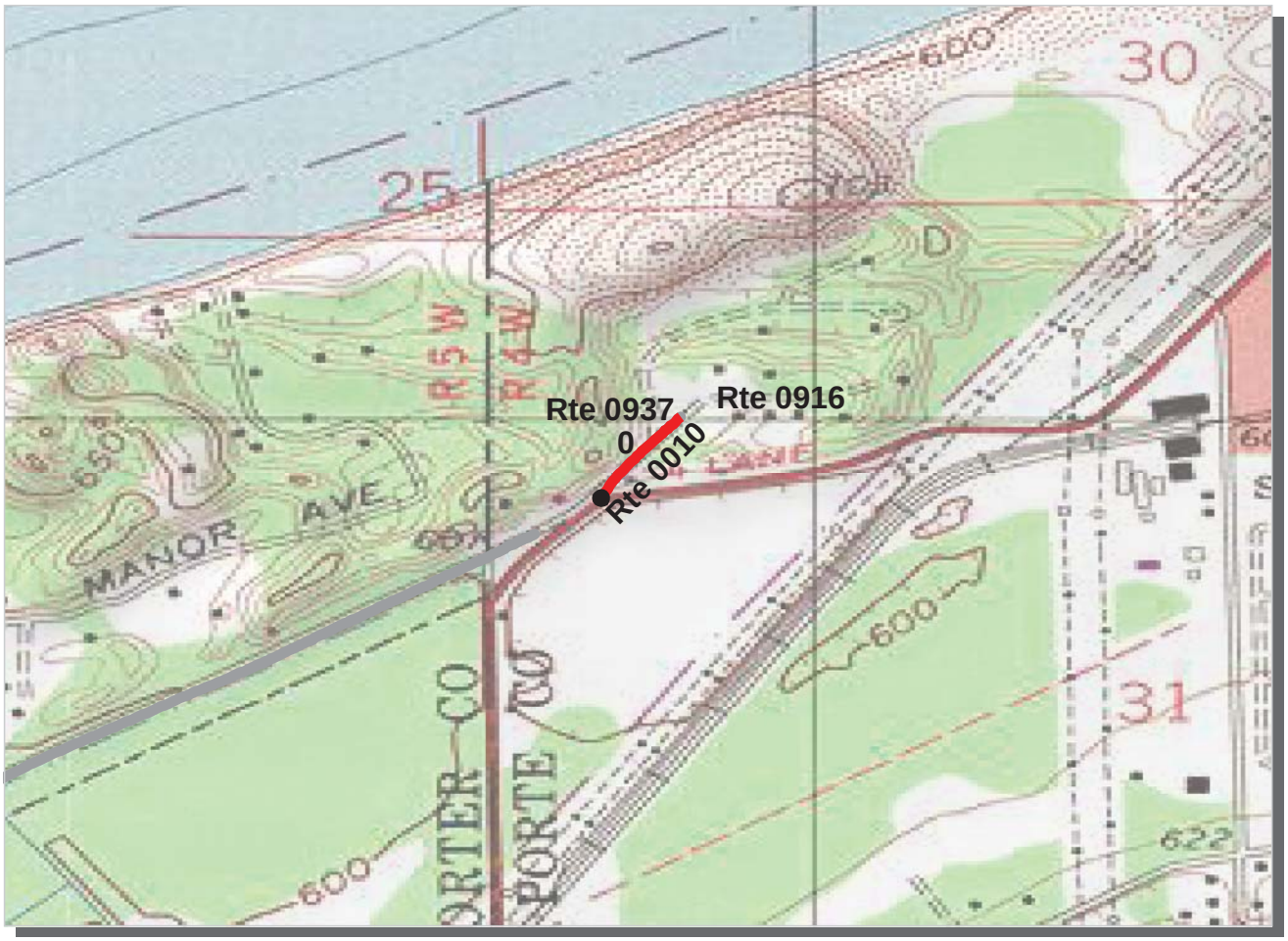
A park road system contains those roads within or giving access to a park or other unit of the NPS which are administered by the NPS, or by the Service in cooperation with other agencies. The assignment of a functional classification (FC) to a park road is not based on traffic volumes or design speed,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

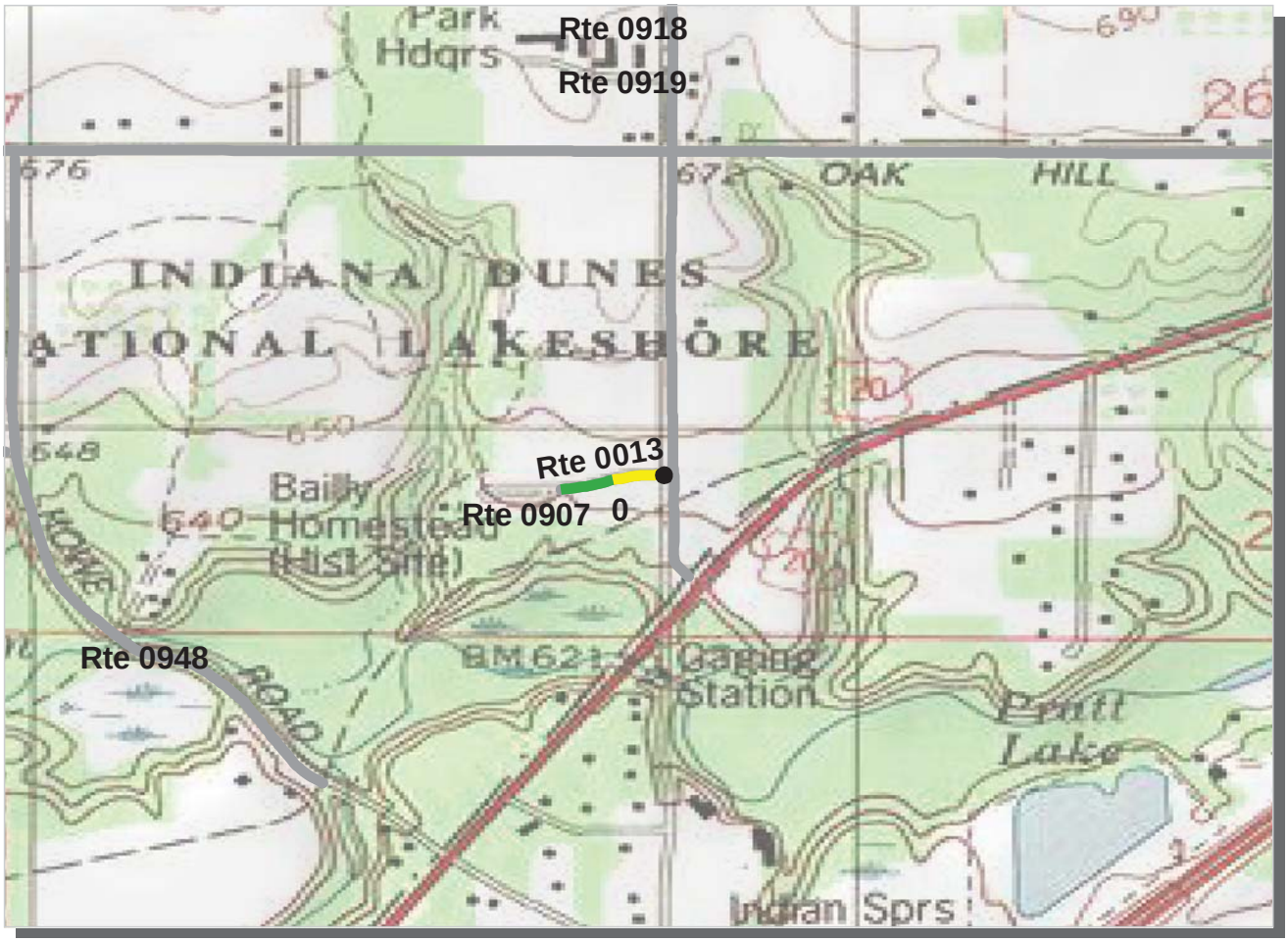
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0010 Rice Street (Mt. Baldy Access Road) **TOTAL LENGTH: 0.12 Miles**

Section Number	0				
Section Length (mi)	0.12				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	41				
RCI (Roughness Condition Index)	62				
SCR (Surface Condition Rating)	40				
Alligator Cracking Index	72				
Rutting Index	63				
Patching Index	100				
Tranverse Cracking Index	96				
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



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.

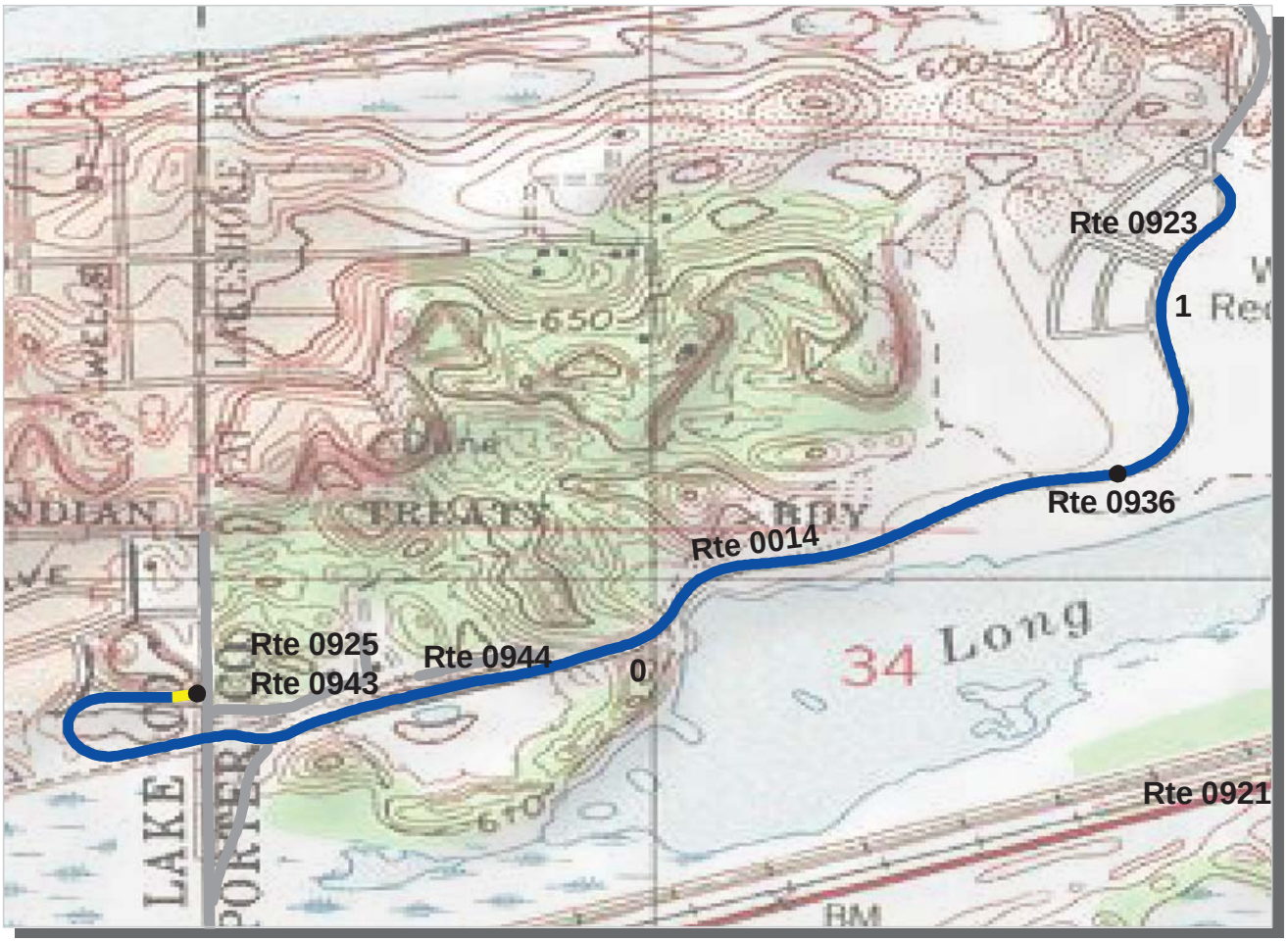
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0013 Bailly/Chellberg Visitor Center Road **TOTAL LENGTH: 0.09 Miles**

Section Number	0				
Section Length (mi)	0.09				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	83				
RCI (Roughness Condition Index)	81				
SCR (Surface Condition Rating)	85				
Alligator Cracking Index	100				
Rutting Index	92				
Patching Index	100				
Tranverse Cracking Index	93				
Longitudinal Cracking Index	100				
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	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.

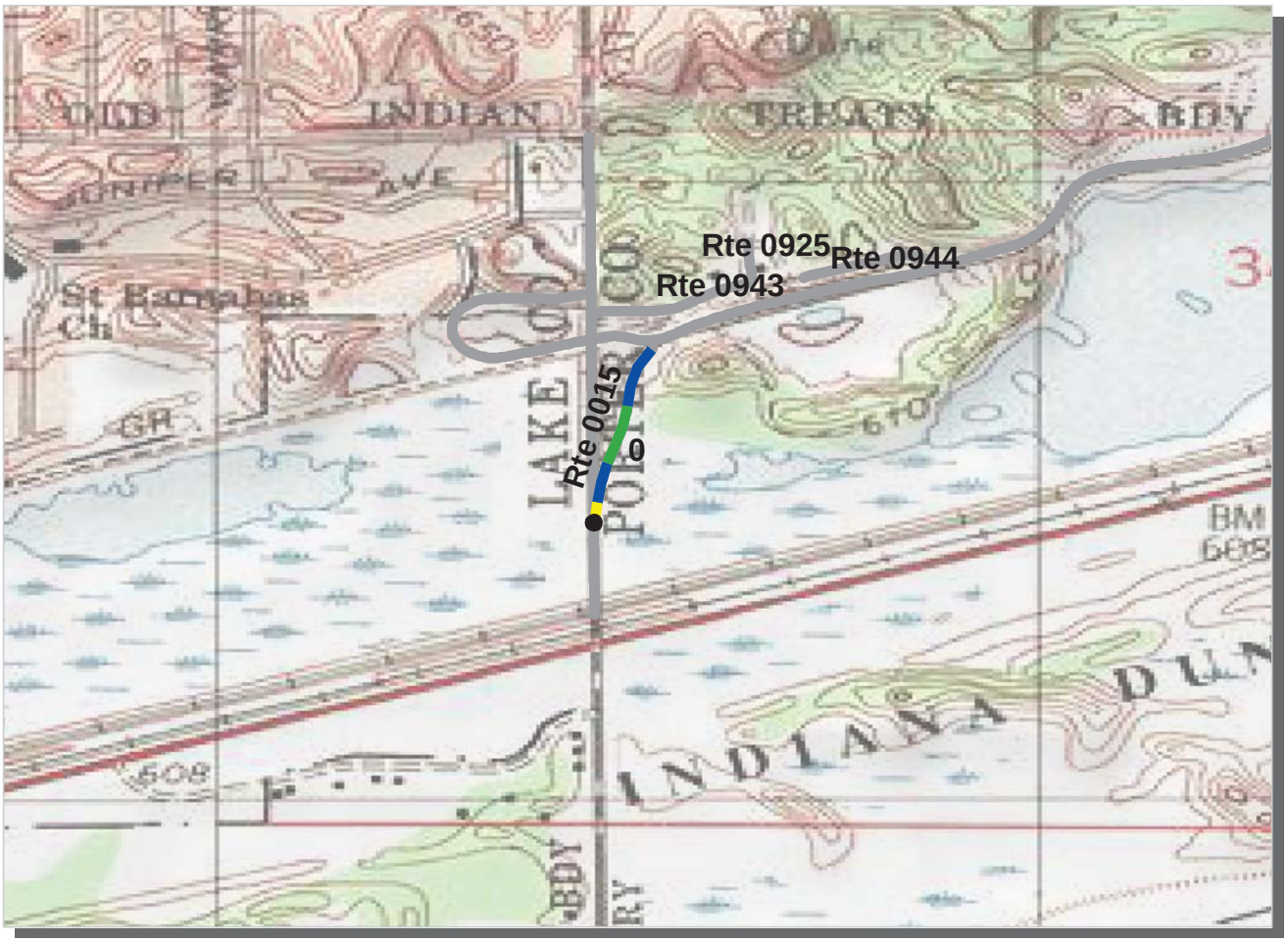
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0014 West Beach Access Road **TOTAL LENGTH: 1.36 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.36			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	21	21			
Lane Width (ft)	10	11			
Shoulder Width (ft)	5	4			
Roadway Condition Information					
PCR (Pavement Condition Rating)	98	98			
RCI (Roughness Condition Index)	99	97			
SCR (Surface Condition Rating)	99	99			
Alligator Cracking Index	100	100			
Rutting Index	99	99			
Patching Index	100	100			
Tranverse Cracking Index	99	99			
Longitudinal Cracking Index	99	100			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

* NC designates data not collected NA designates not applicable

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



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.

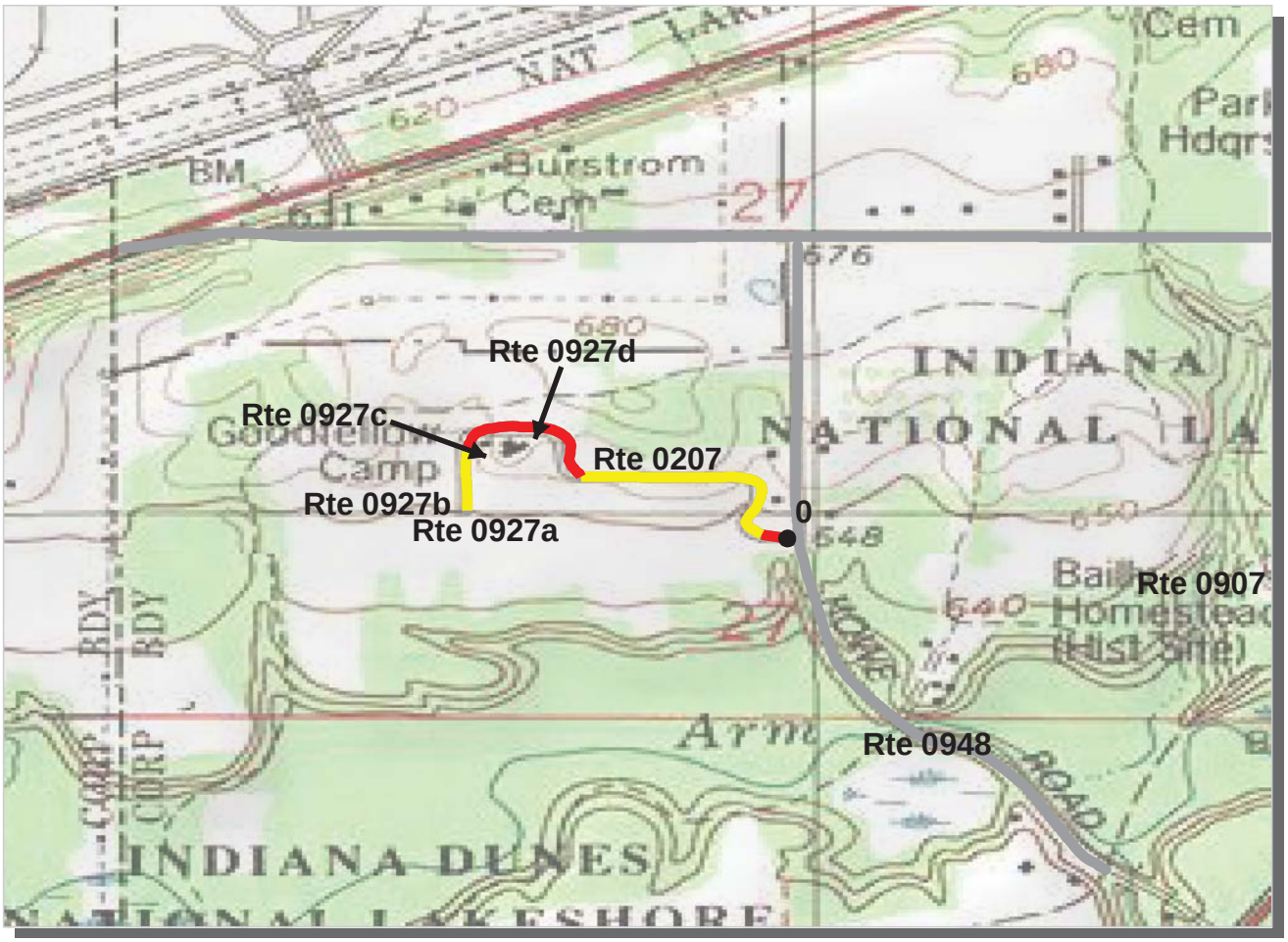
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0015 West Beach Entry Road **TOTAL LENGTH: 0.19 Miles**

Section Number	0				
Section Length (mi)	0.19				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	15				
Lane Width (ft)	15				
Shoulder Width (ft)	4				
Roadway Condition Information					
PCR (Pavement Condition Rating)	92				
RCI (Roughness Condition Index)	88				
SCR (Surface Condition Rating)	95				
Alligator Cracking Index	100				
Rutting Index	96				
Patching Index	100				
Tranverse Cracking Index	98				
Longitudinal Cracking Index	99				
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	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.

Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0207 Goodfellow Camp Road **TOTAL LENGTH: 0.44 Miles**

Section Number	0				
Section Length (mi)	0.44				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	62				
RCI (Roughness Condition Index)	68				
SCR (Surface Condition Rating)	61				
Alligator Cracking Index	100				
Rutting Index	63				
Patching Index	98				
Tranverse Cracking Index	100				
Longitudinal Cracking Index	99				
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	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.

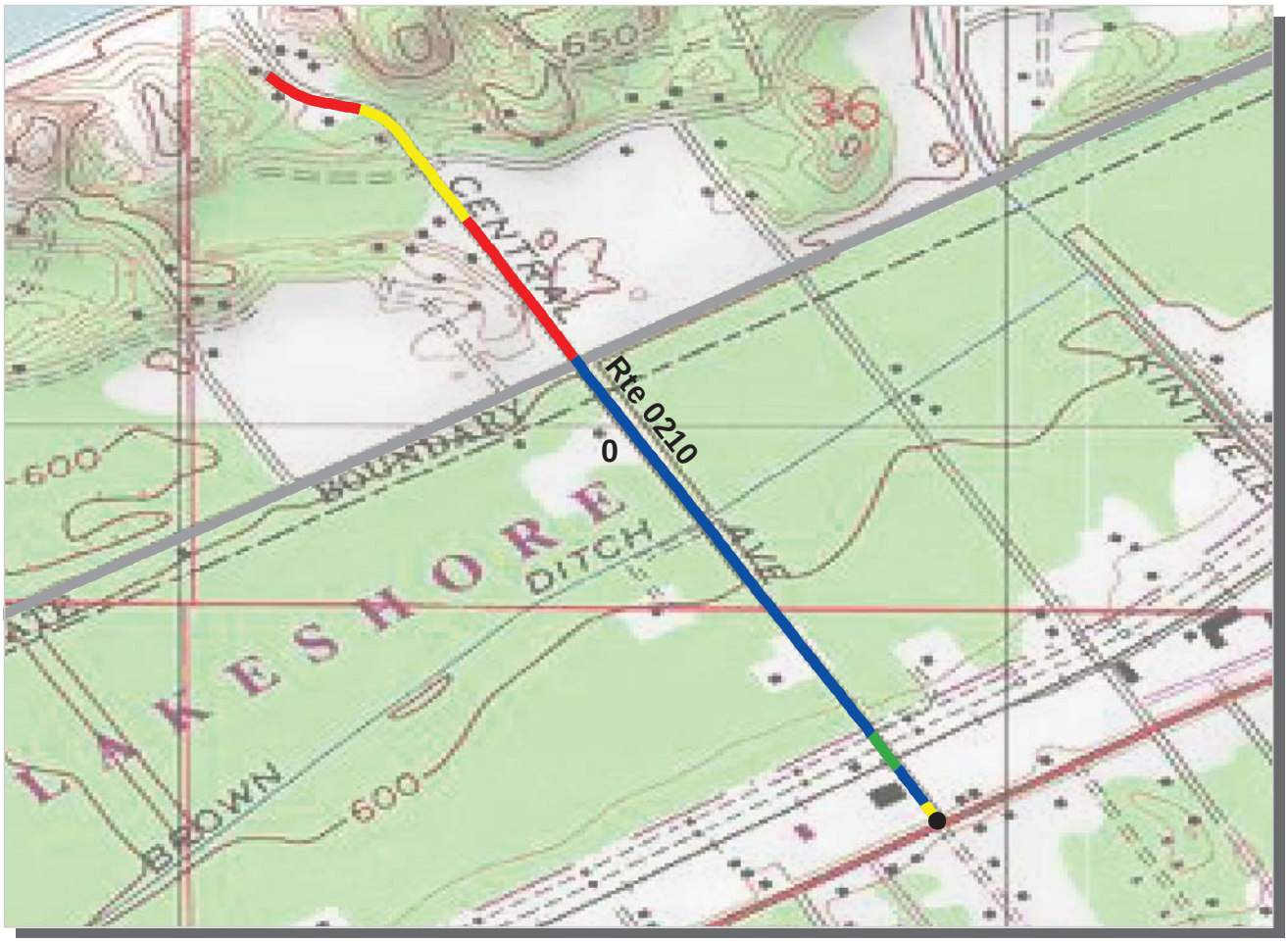
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0209 Beverly Drive **TOTAL LENGTH: 4.84 Miles**

Section Number	0	1	2	3	4
Section Length (mi)	1.00	1.00	1.00	1.00	0.84
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	17	17	17	17	17
Lane Width (ft)	9	9	8	9	9
Shoulder Width (ft)	4	4	4	5	6
Roadway Condition Information					
PCR (Pavement Condition Rating)	27	18	35	17	21
RCI (Roughness Condition Index)	46	42	55	44	47
SCR (Surface Condition Rating)	19	10	24	12	5
Alligator Cracking Index	80	50	69	81	93
Rutting Index	77	66	69	62	77
Patching Index	96	96	99	97	99
Tranverse Cracking Index	66	80	82	75	28
Longitudinal Cracking Index	88	85	85	80	79
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



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.

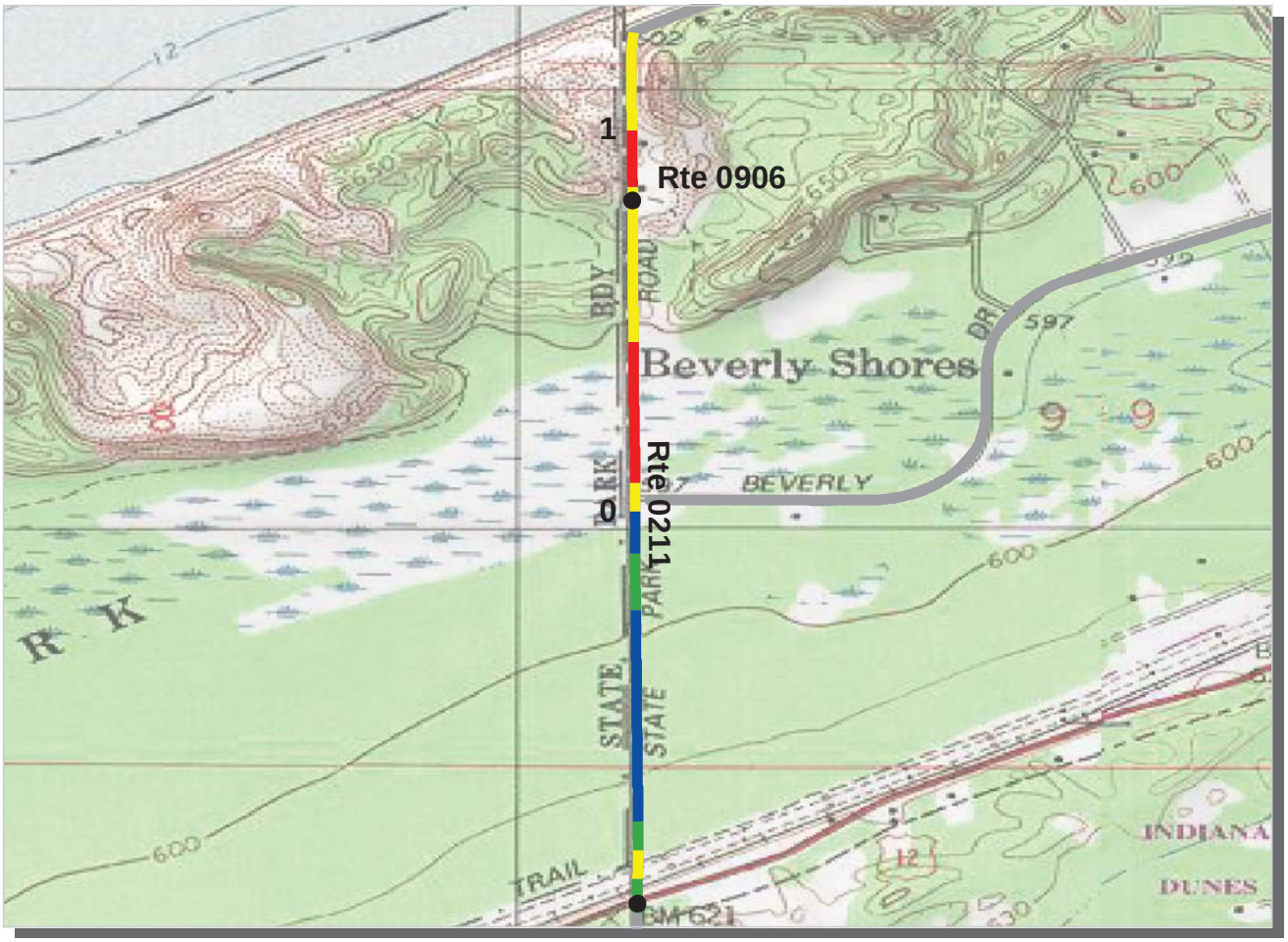
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0210 Central Avenue **TOTAL LENGTH: 0.93 Miles**

Section Number	0				
Section Length (mi)	0.93				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	5				
Roadway Condition Information					
PCR (Pavement Condition Rating)	75				
RCI (Roughness Condition Index)	86				
SCR (Surface Condition Rating)	75				
Alligator Cracking Index	98				
Rutting Index	86				
Patching Index	99				
Tranverse Cracking Index	92				
Longitudinal Cracking Index	96				
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.

Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0211 East State Park Road (300 East Road) **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	2			
Paved Width (ft)	17	17			
Lane Width (ft)	8	8			
Shoulder Width (ft)	5	5			
Roadway Condition Information					
PCR (Pavement Condition Rating)	75	62			
RCI (Roughness Condition Index)	87	82			
SCR (Surface Condition Rating)	68	50			
Alligator Cracking Index	99	100			
Rutting Index	90	79			
Patching Index	94	100			
Tranverse Cracking Index	84	77			
Longitudinal Cracking Index	95	93			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

* NC designates data not collected NA designates not applicable

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

ROUTE: 0211 East State Park Road (300 East 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.

Midwest Region
INDU : Indiana Dunes National Lakeshore

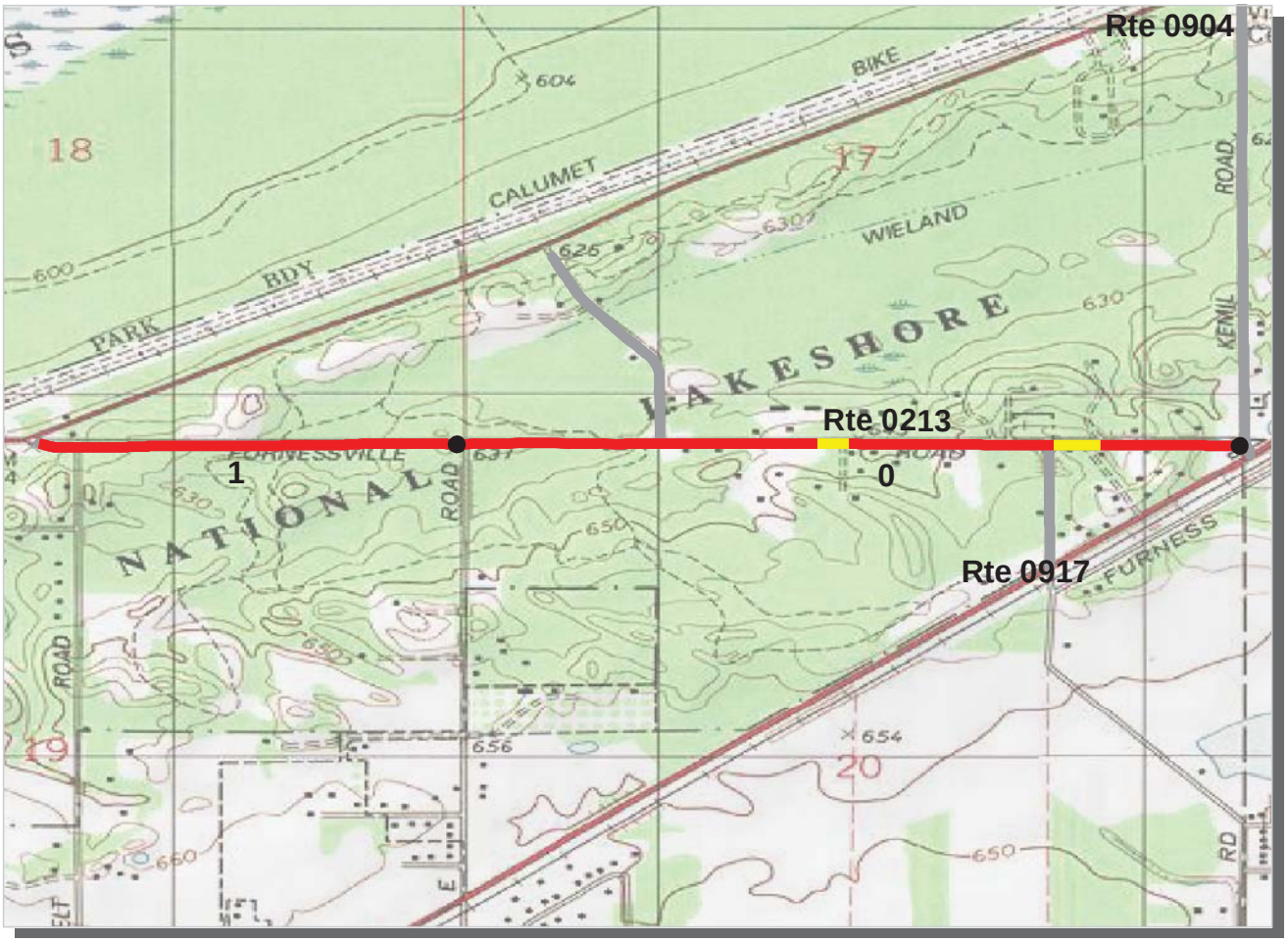
ROUTE: 0212 Kemil Road (300 East Road) **TOTAL LENGTH: 0.82 Miles**

Section Number	0				
Section Length (mi)	0.82				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	4				
Roadway Condition Information					
PCR (Pavement Condition Rating)	98				
RCI (Roughness Condition Index)	98				
SCR (Surface Condition Rating)	98				
Alligator Cracking Index	100				
Rutting Index	98				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
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: 0212 Kemil Road (300 East 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.

Midwest Region
INDU : Indiana Dunes National Lakeshore

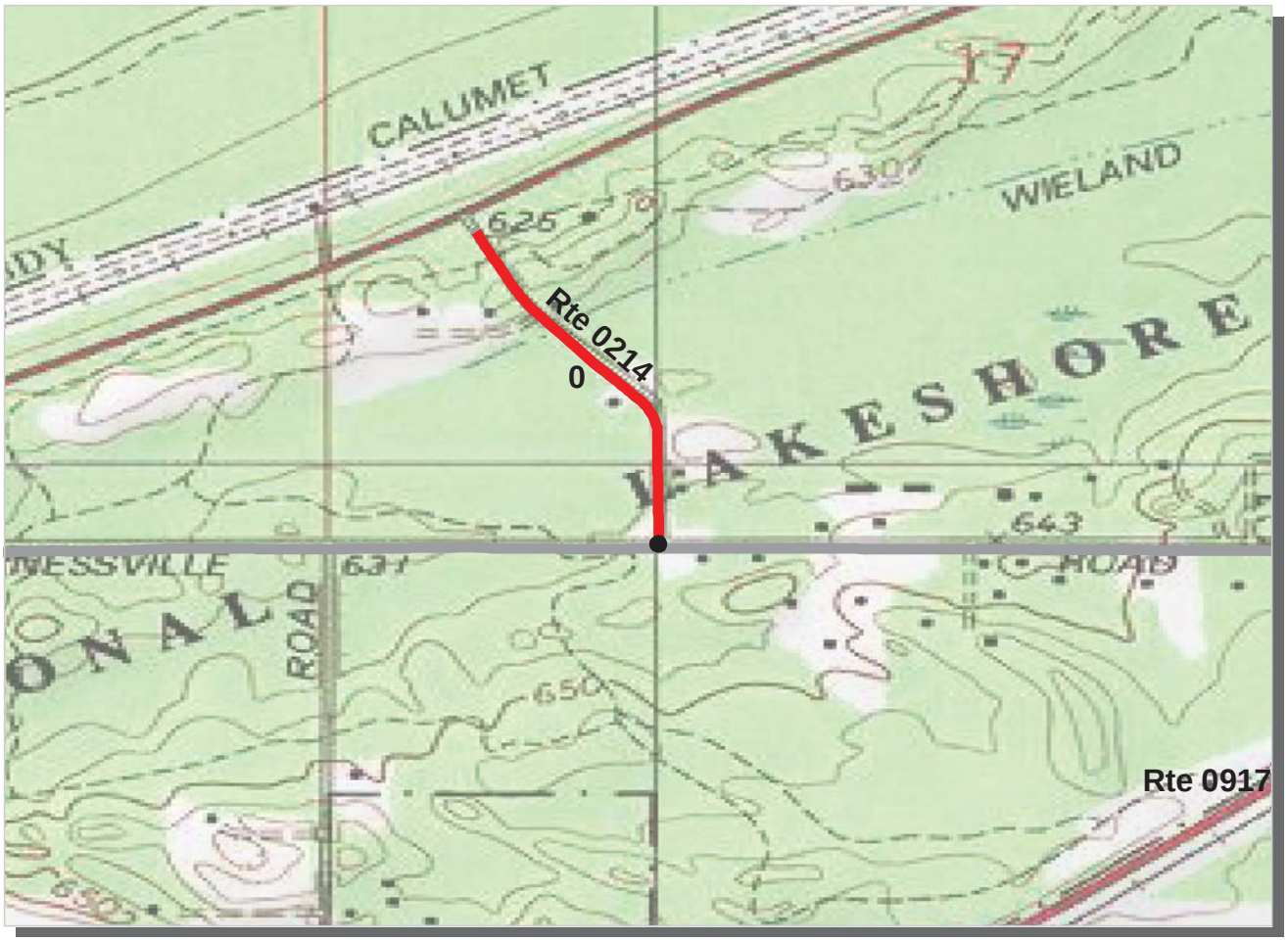
ROUTE: 0213 Furnessville Road (1500 North Road) **TOTAL LENGTH: 1.55 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.55			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	17	17			
Lane Width (ft)	8	8			
Shoulder Width (ft)	3	3			
Roadway Condition Information					
PCR (Pavement Condition Rating)	36	41			
RCI (Roughness Condition Index)	49	29			
SCR (Surface Condition Rating)	31	48			
Alligator Cracking Index	60	86			
Rutting Index	59	66			
Patching Index	99	97			
Tranverse Cracking Index	99	99			
Longitudinal Cracking Index	98	96			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

* NC designates data not collected NA designates not applicable

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

ROUTE: 0213 Furnessville Road (1500 North 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.

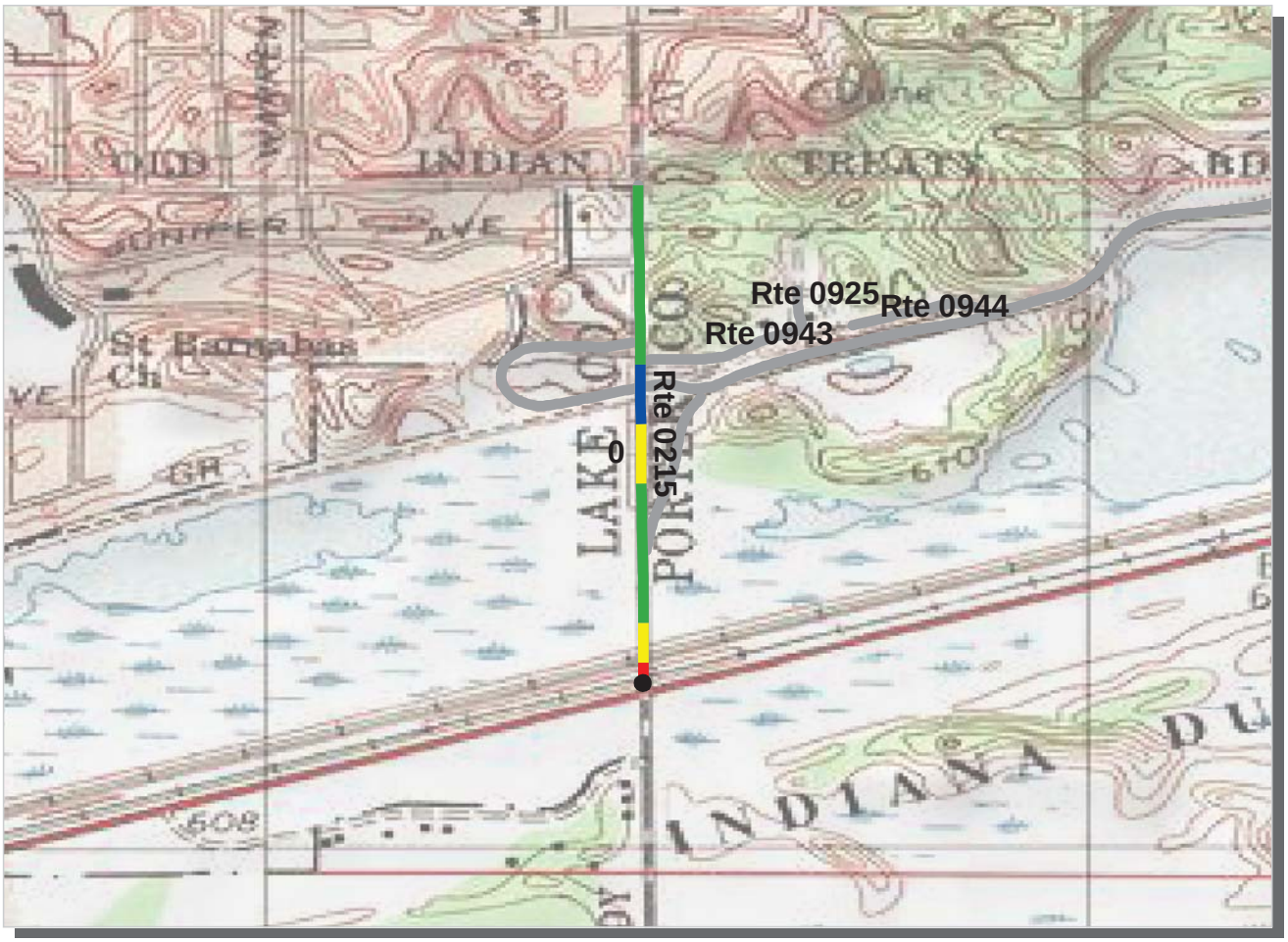
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0214 Teale Road **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)	15				
Lane Width (ft)	7				
Shoulder Width (ft)	2				
Roadway Condition Information					
PCR (Pavement Condition Rating)	10				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	10				
Alligator Cracking Index	34				
Rutting Index	40				
Patching Index	97				
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



N

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.

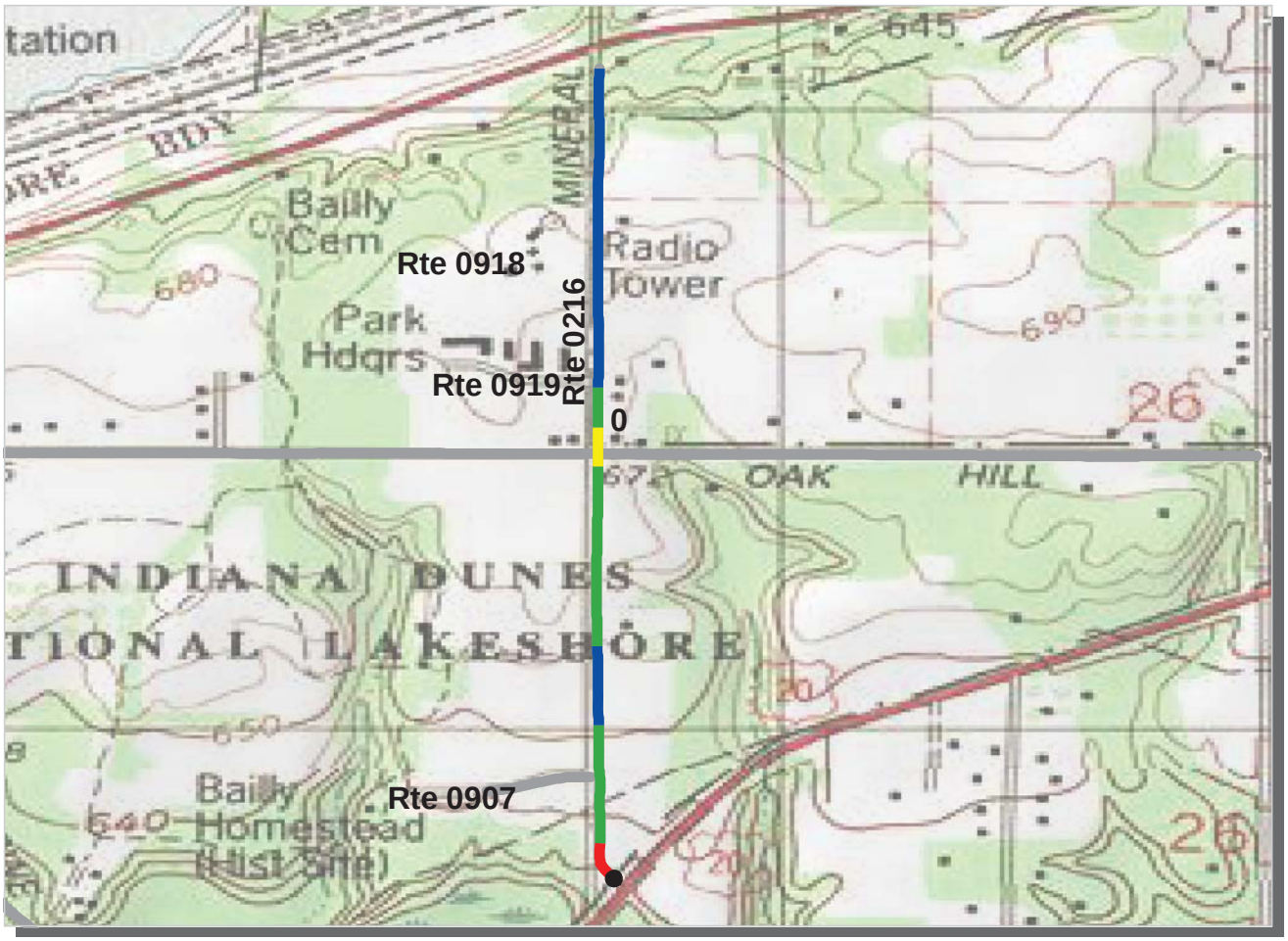
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0215 County Line Road **TOTAL LENGTH: 0.51 Miles**

Section Number	0				
Section Length (mi)	0.51				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width (ft)	4				
Roadway Condition Information					
PCR (Pavement Condition Rating)	84				
RCI (Roughness Condition Index)	78				
SCR (Surface Condition Rating)	88				
Alligator Cracking Index	99				
Rutting Index	95				
Patching Index	99				
Tranverse Cracking Index	94				
Longitudinal Cracking Index	99				
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	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.

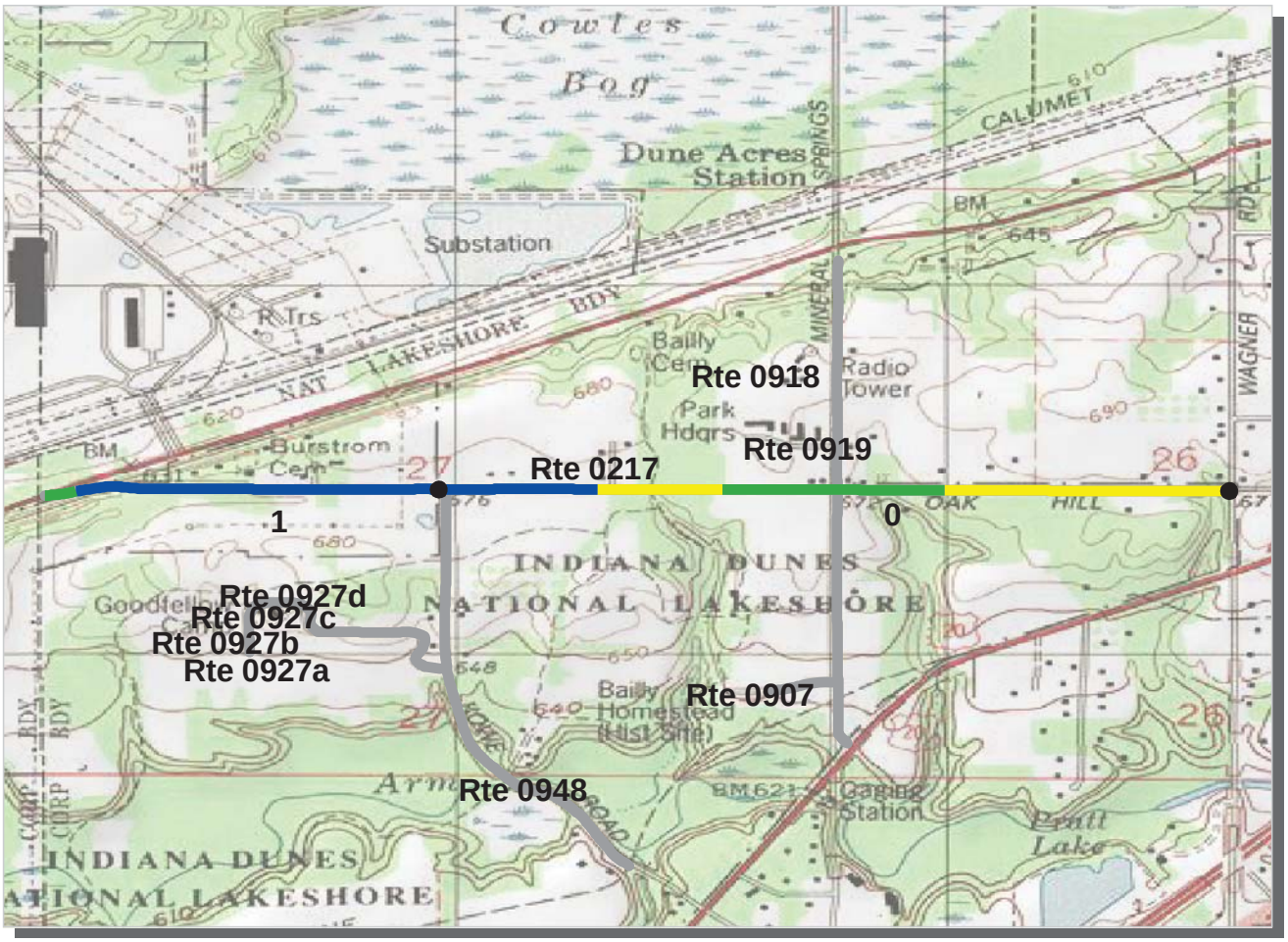
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0216 Mineral Springs Road **TOTAL LENGTH: 0.85 Miles**

Section Number	0				
Section Length (mi)	0.85				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	10				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	91				
RCI (Roughness Condition Index)	92				
SCR (Surface Condition Rating)	92				
Alligator Cracking Index	98				
Rutting Index	94				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
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	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.

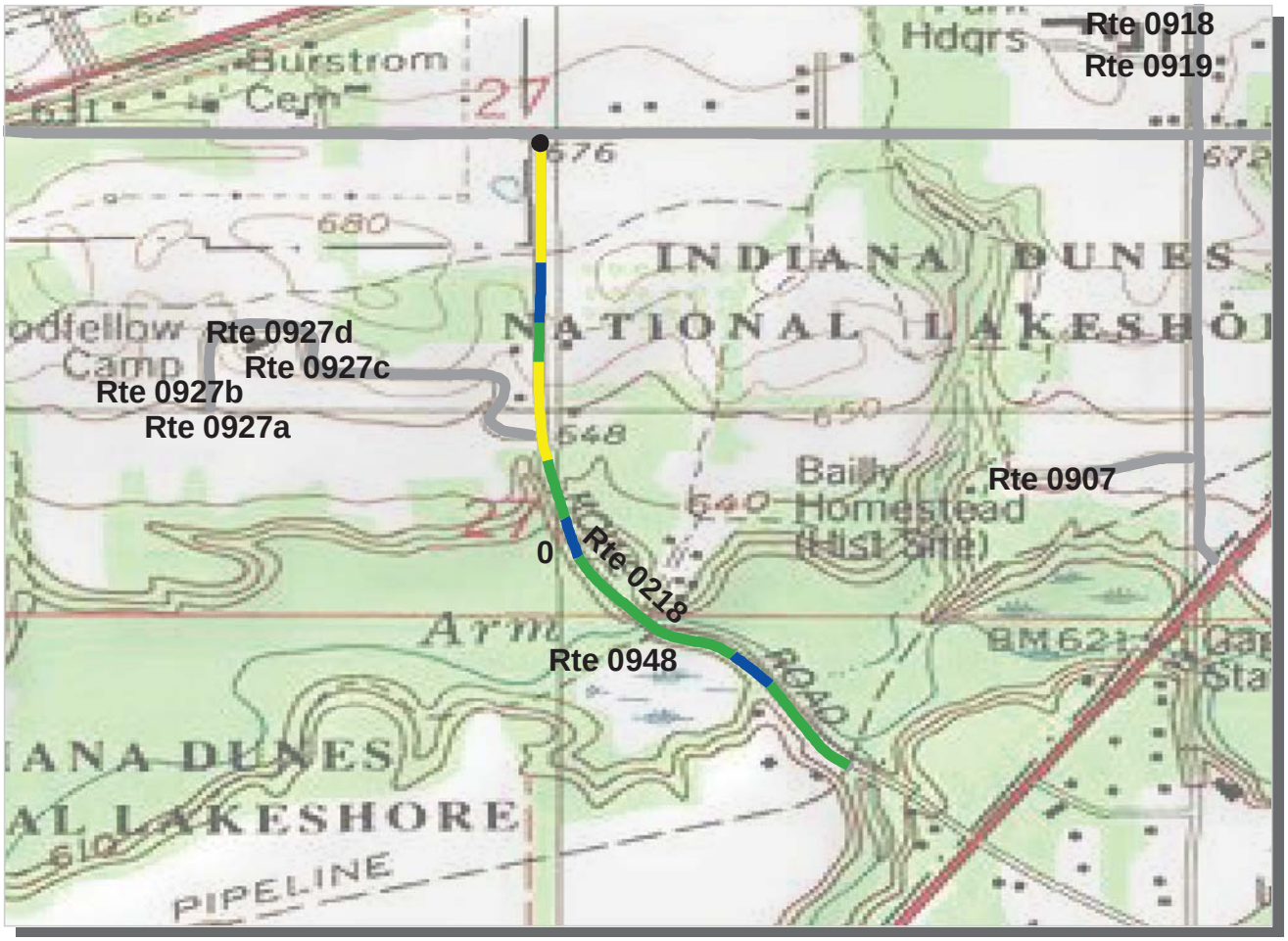
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0217 Oak Hill Road **TOTAL LENGTH: 1.51 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.51			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	19	19			
Lane Width (ft)	10	10			
Shoulder Width (ft)	2	2			
Roadway Condition Information					
PCR (Pavement Condition Rating)	84	95			
RCI (Roughness Condition Index)	81	93			
SCR (Surface Condition Rating)	86	97			
Alligator Cracking Index	100	100			
Rutting Index	86	97			
Patching Index	99	100			
Tranverse Cracking Index	99	100			
Longitudinal Cracking Index	100	100			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

* NC designates data not collected NA designates not applicable

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



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.

Midwest Region
INDU : Indiana Dunes National Lakeshore

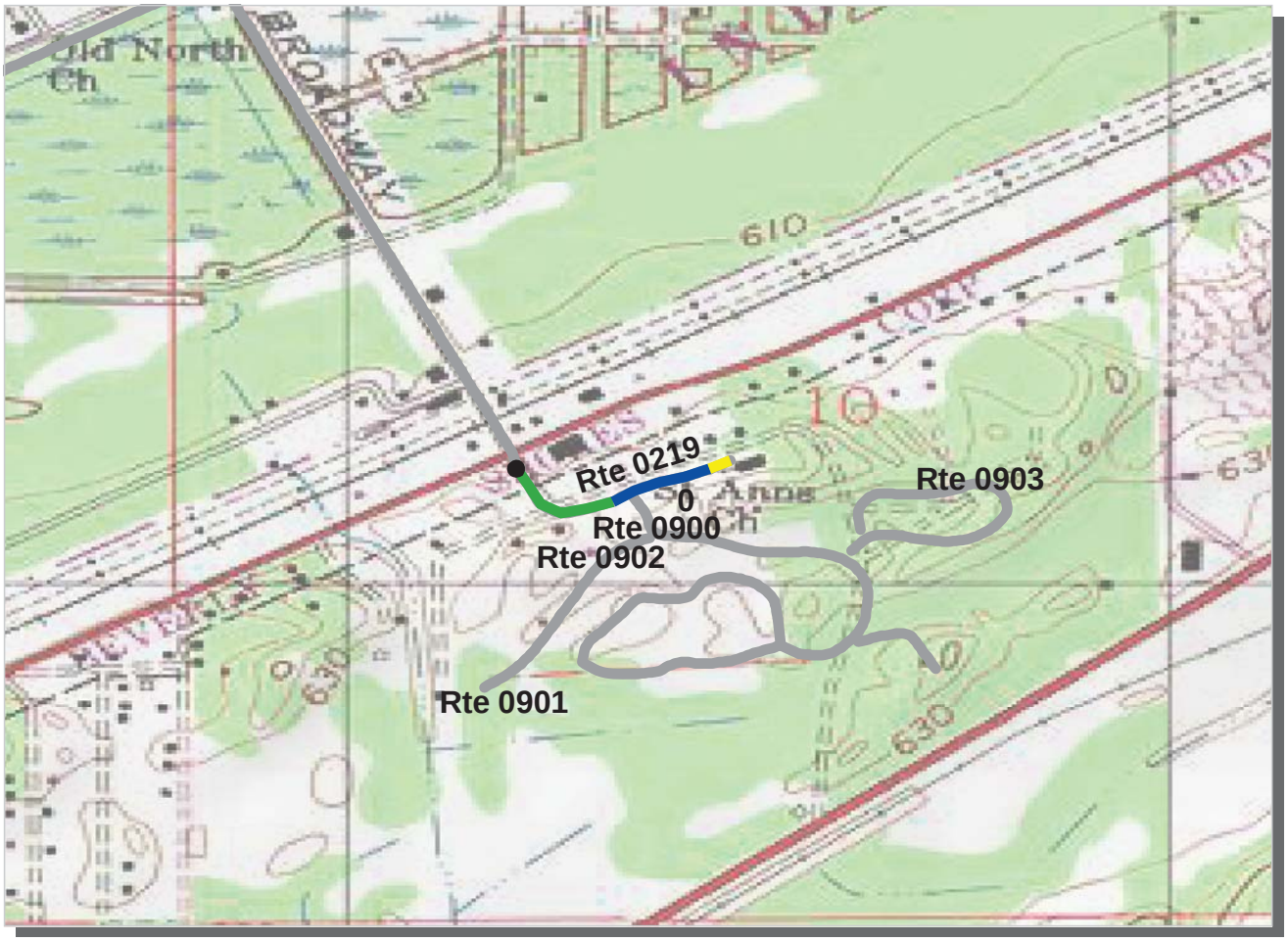
ROUTE: 0218 Howe Road **TOTAL LENGTH: 0.73 Miles**

Section Number	0				
Section Length (mi)	0.73				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	85				
RCI (Roughness Condition Index)	82				
SCR (Surface Condition Rating)	86				
Alligator Cracking Index	100				
Rutting Index	87				
Patching Index	99				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
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: 0218 Howe 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.

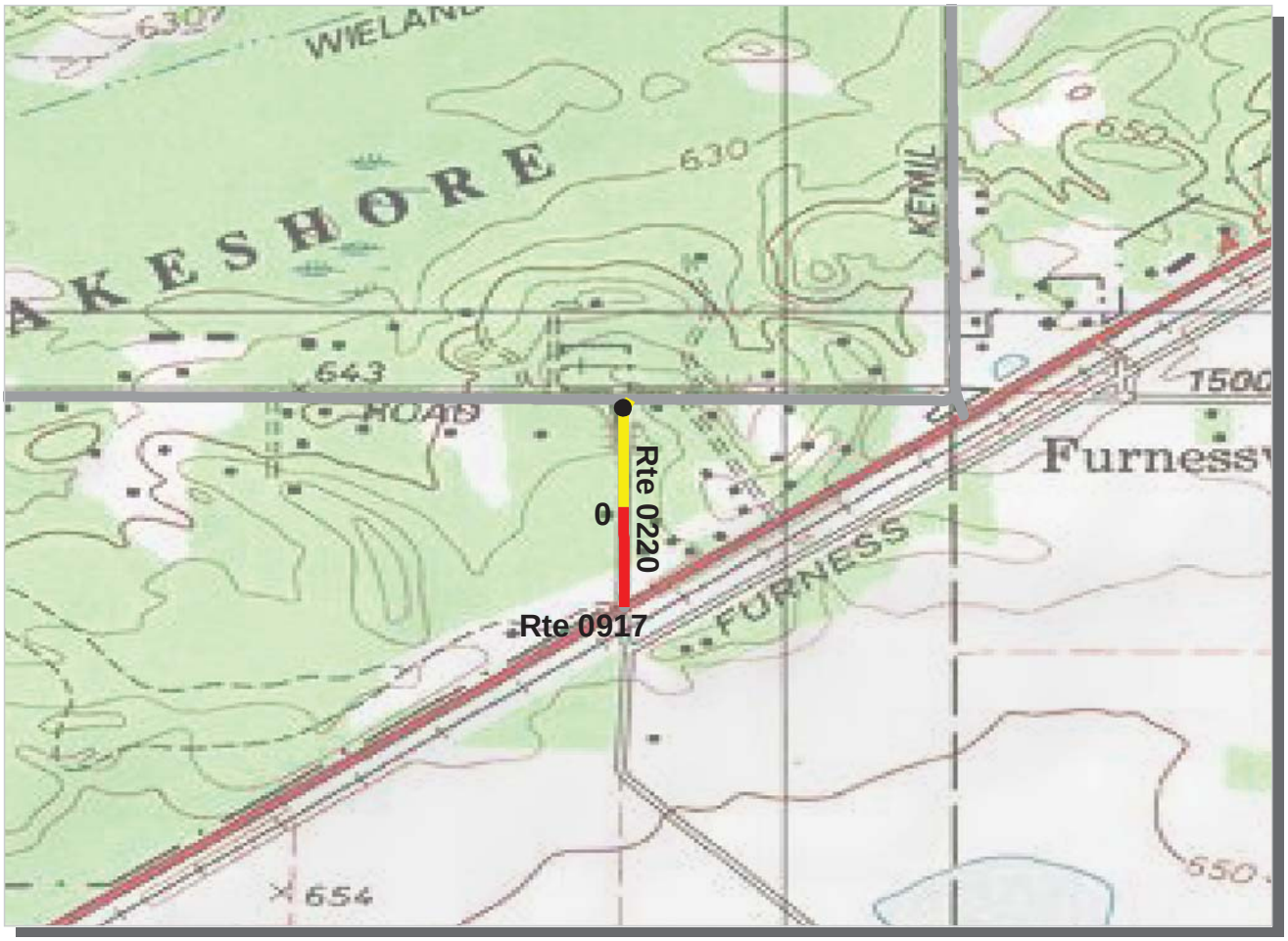
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0219 Dunewood Ampetheater Access Road/Broadway TOTAL LENGTH: 0.22 Miles

Section Number	0				
Section Length (mi)	0.22				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	90				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	90				
Alligator Cracking Index	100				
Rutting Index	93				
Patching Index	99				
Tranverse Cracking Index	98				
Longitudinal Cracking Index	99				
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	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.

Midwest Region
INDU : Indiana Dunes National Lakeshore

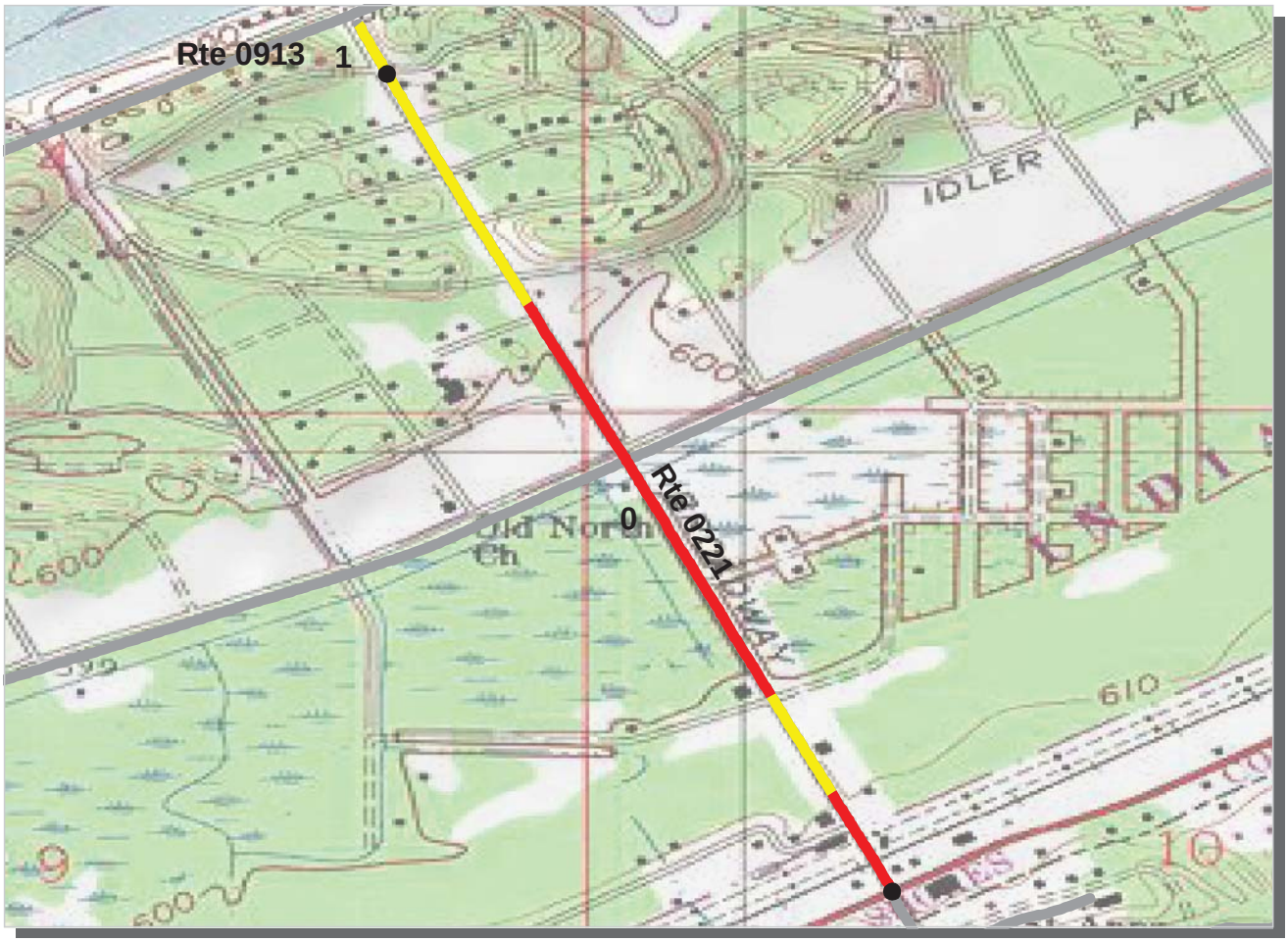
ROUTE: 0220 School House Road (275 E) **TOTAL LENGTH: 0.22 Miles**

Section Number	0				
Section Length (mi)	0.22				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	17				
Lane Width (ft)	8				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	48				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	48				
Alligator Cracking Index	81				
Rutting Index	70				
Patching Index	98				
Tranverse Cracking Index	95				
Longitudinal Cracking Index	95				
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: 0220 School House Road (275 E)



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.

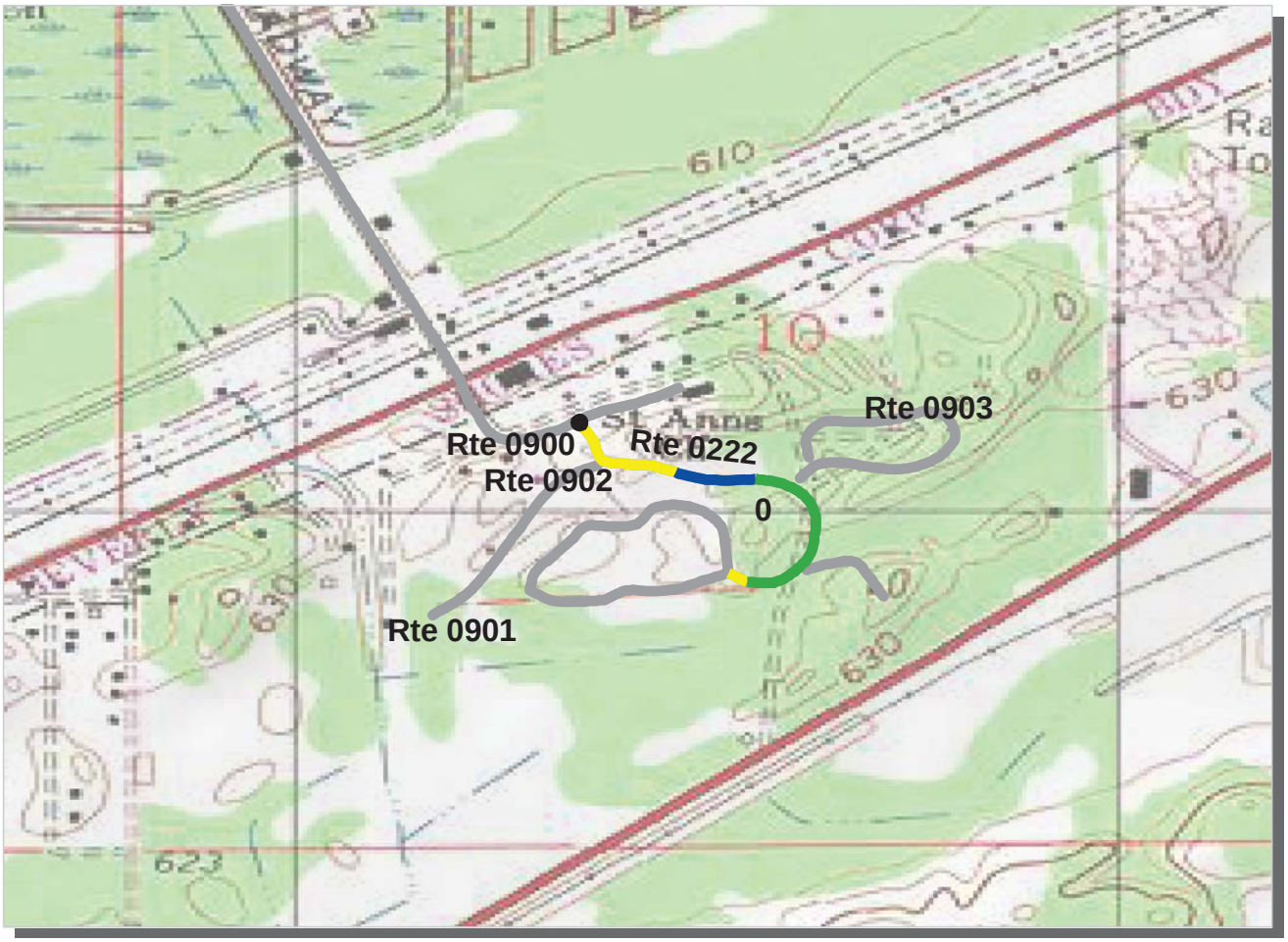
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0221 Broadway **TOTAL LENGTH: 1.08 Miles**

Section Number	0	1			
Section Length (mi)	1.00	0.08			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	35	19			
Lane Width (ft)	19	10			
Shoulder Width (ft)	0	7			
Roadway Condition Information					
PCR (Pavement Condition Rating)	55	56			
RCI (Roughness Condition Index)	66	71			
SCR (Surface Condition Rating)	51	54			
Alligator Cracking Index	94	100			
Rutting Index	87	84			
Patching Index	97	100			
Tranverse Cracking Index	82	81			
Longitudinal Cracking Index	89	89			
Shoulder Condition Rating	N/A	GOOD			
Drainage Condition Rating	GOOD	GOOD			

* NC designates data not collected NA designates not applicable

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



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.

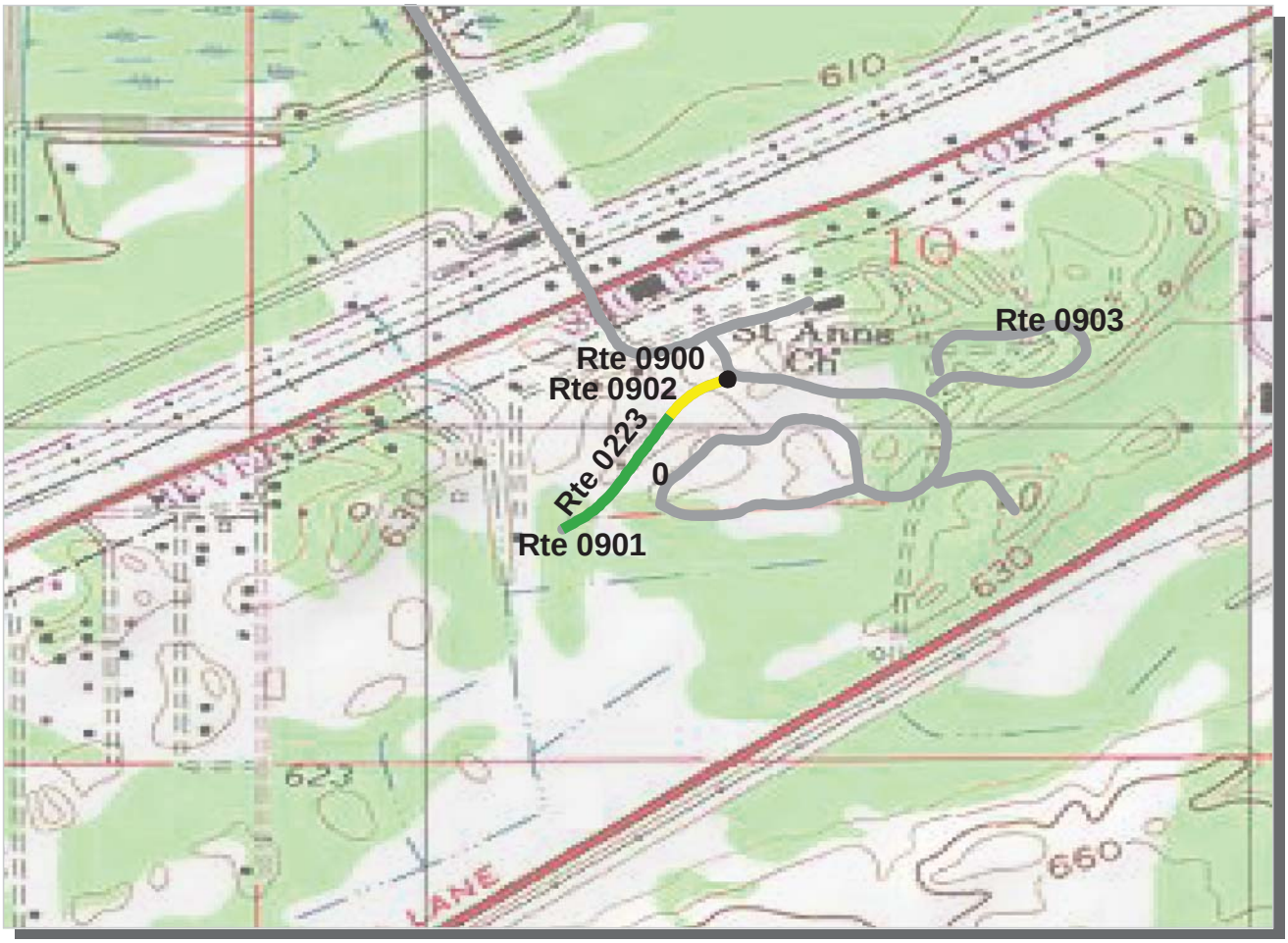
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0222 Dunewood / Mather Campground Access Road TOTAL LENGTH: 0.35 Miles

Section Number	0				
Section Length (mi)	0.35				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	12				
Shoulder Width (ft)	2				
Roadway Condition Information					
PCR (Pavement Condition Rating)	86				
RCI (Roughness Condition Index)	93				
SCR (Surface Condition Rating)	84				
Alligator Cracking Index	100				
Rutting Index	84				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
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



N

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.

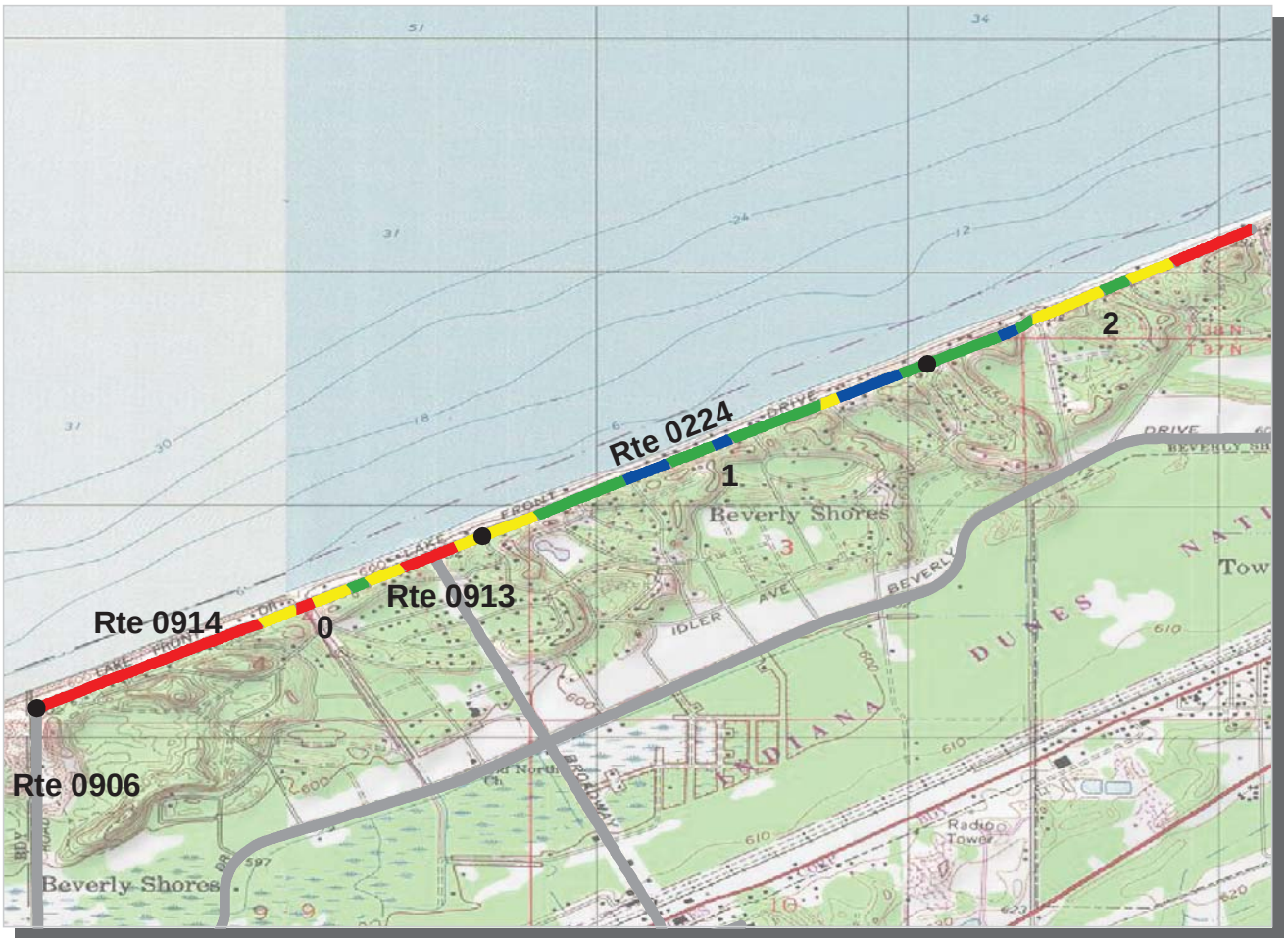
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0223 Dunewood R.V. Dump Station Road **TOTAL LENGTH: 0.22 Miles**

Section Number	0				
Section Length (mi)	0.22				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	12				
Shoulder Width (ft)	2				
Roadway Condition Information					
PCR (Pavement Condition Rating)	84				
RCI (Roughness Condition Index)	95				
SCR (Surface Condition Rating)	79				
Alligator Cracking Index	100				
Rutting Index	79				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	100				
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	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.

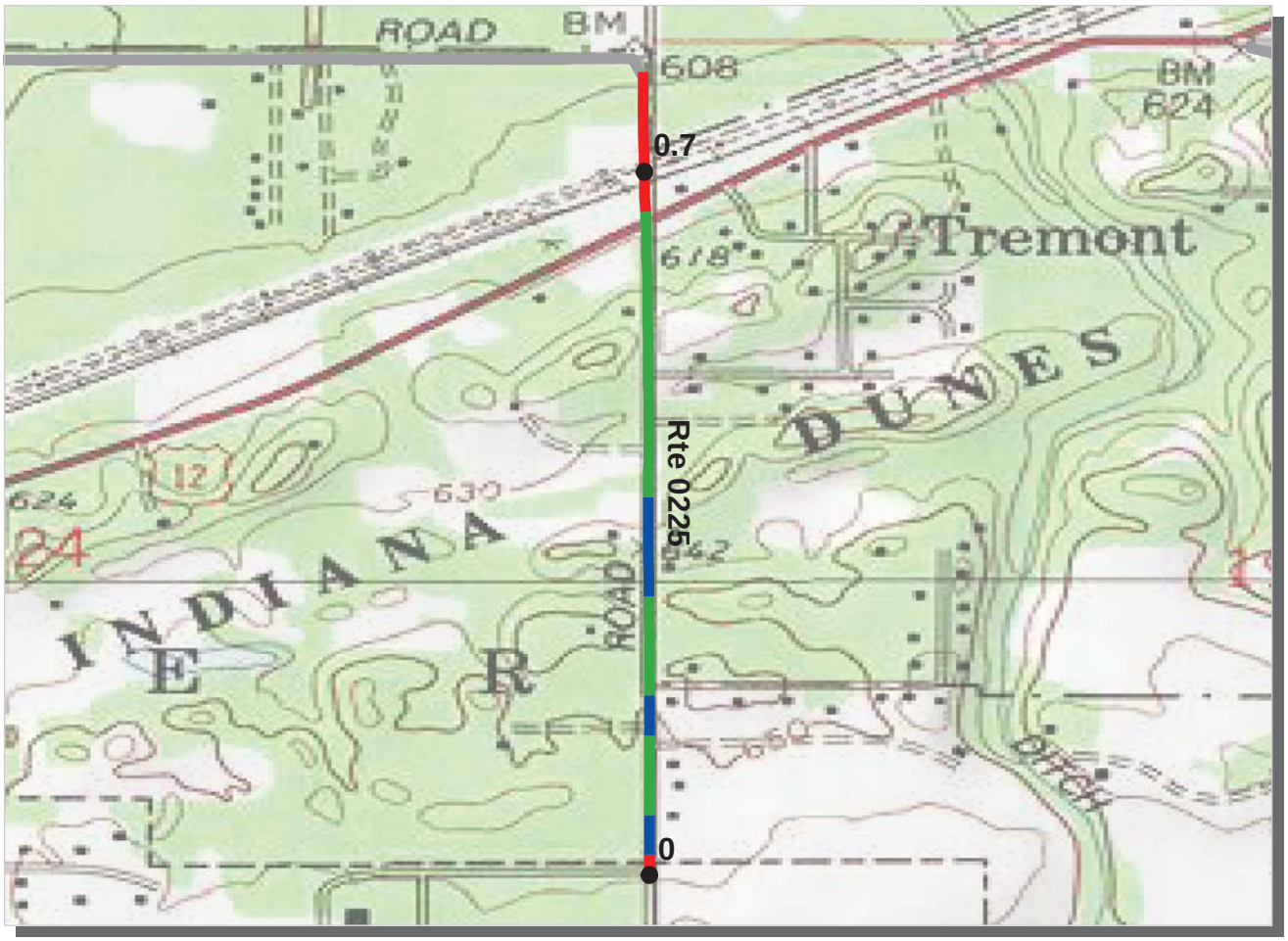
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0224 Lake Front Drive **TOTAL LENGTH: 2.76 Miles**

Section Number	0	1	2		
Section Length (mi)	1.00	1.00	0.76		
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	15	18	17		
Lane Width (ft)	8	9	9		
Shoulder Width (ft)	0	0	0		
Roadway Condition Information					
PCR (Pavement Condition Rating)	49	87	74		
RCI (Roughness Condition Index)	73	94	81		
SCR (Surface Condition Rating)	42	84	71		
Alligator Cracking Index	97	99	99		
Rutting Index	84	94	91		
Patching Index	99	99	100		
Tranverse Cracking Index	74	91	82		
Longitudinal Cracking Index	85	98	96		
Shoulder Condition Rating	N/A	N/A	N/A		
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.

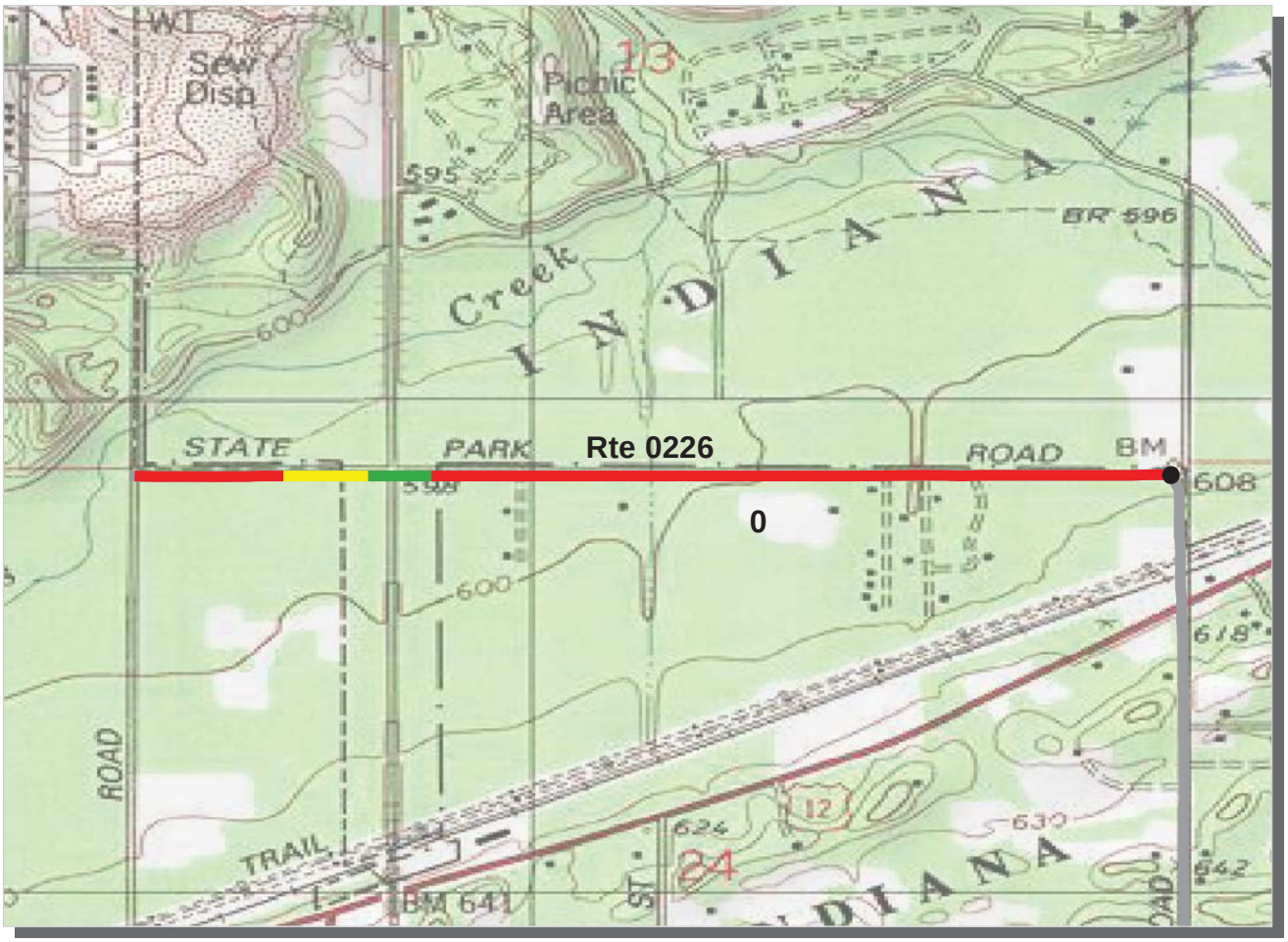
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0225 Tremont Avenue **TOTAL LENGTH: 0.82 Miles**

Section Number	0	0.7			
Section Length (mi)	0.69	0.12			
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	18	15			
Lane Width (ft)	9	7			
Shoulder Width (ft)	5	3			
Roadway Condition Information					
PCR (Pavement Condition Rating)	83	0			
RCI (Roughness Condition Index)	92	-1			
SCR (Surface Condition Rating)	82	0			
Alligator Cracking Index	94	0			
Rutting Index	89	51			
Patching Index	99	95			
Tranverse Cracking Index	97	100			
Longitudinal Cracking Index	99	100			
Shoulder Condition Rating	GOOD	GOOD			
Drainage Condition Rating	GOOD	GOOD			

* NC designates data not collected NA designates not applicable

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



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.

Midwest Region

INDU : Indiana Dunes National Lakeshore

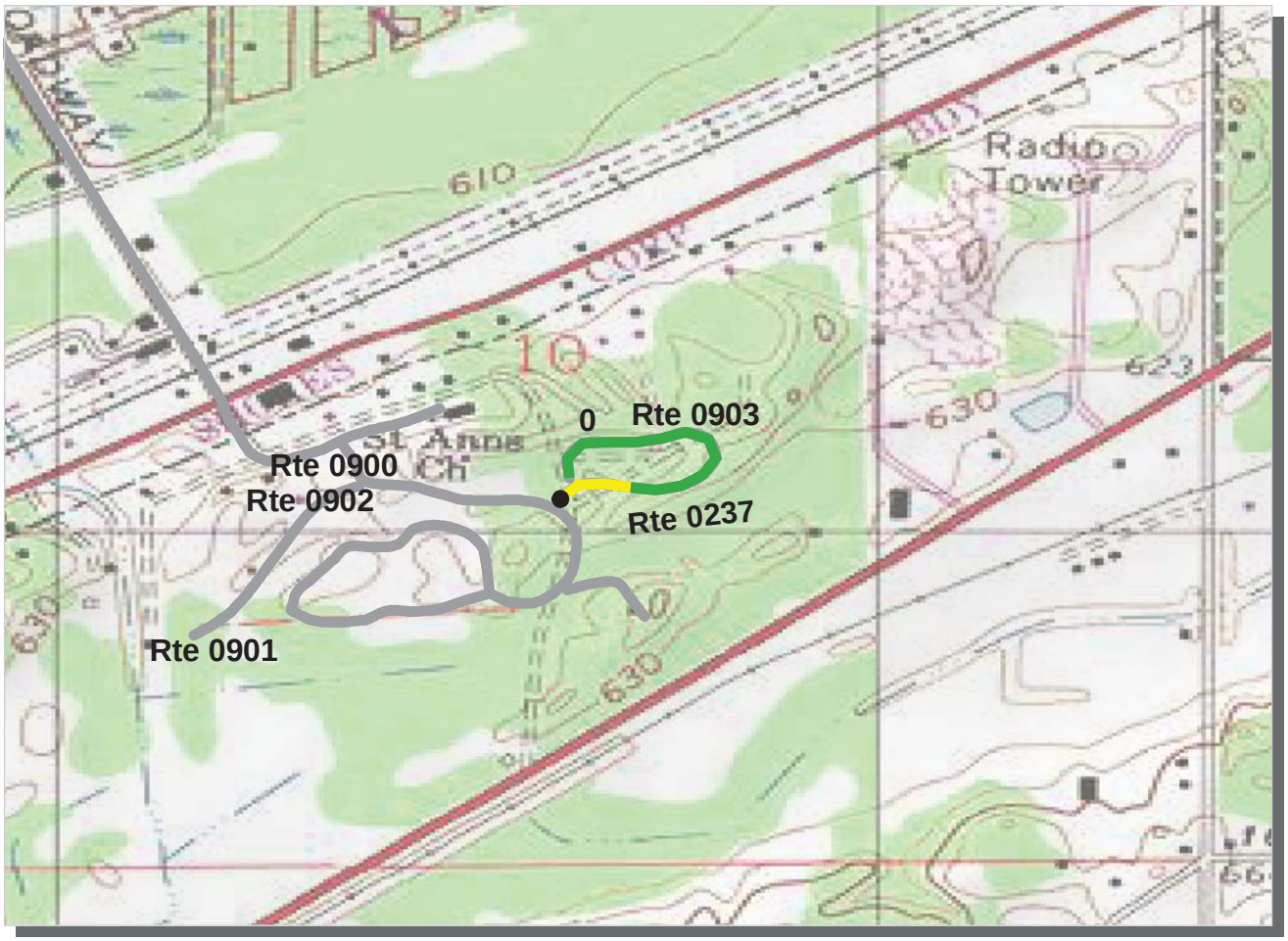
ROUTE: 0226 South State Park Road (1500 North Road) **TOTAL LENGTH: 0.99 Miles**

Section Number	0				
Section Length (mi)	0.99				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	12				
Lane Width (ft)	12				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	15				
RCI (Roughness Condition Index)	81				
SCR (Surface Condition Rating)	12				
Alligator Cracking Index	33				
Rutting Index	44				
Patching Index	87				
Tranverse Cracking Index	94				
Longitudinal Cracking Index	95				
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: 0226 South State Park Road (1500 North 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.

Midwest Region
INDU : Indiana Dunes National Lakeshore

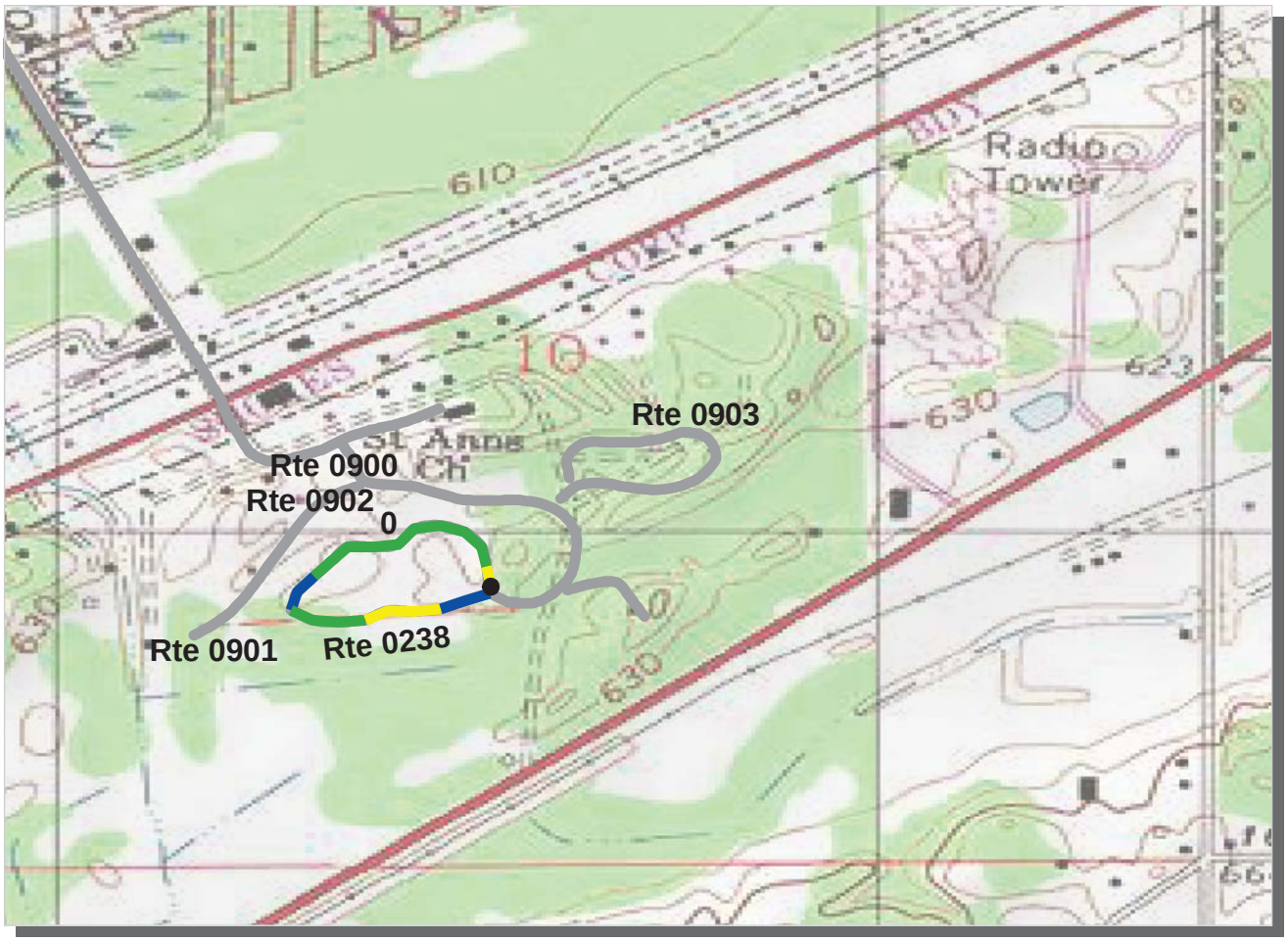
ROUTE: 0237 Douglas Campground Loop **TOTAL LENGTH: 0.32 Miles**

Section Number	0				
Section Length (mi)	0.32				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	24				
Lane Width (ft)	13				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	85				
RCI (Roughness Condition Index)	75				
SCR (Surface Condition Rating)	87				
Alligator Cracking Index	100				
Rutting Index	88				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	100				
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: 0237 Douglas 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.

Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0238 Mather Campground Loop **TOTAL LENGTH: 0.41 Miles**

Section Number	0				
Section Length (mi)	0.41				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	13				
Lane Width (ft)	13				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	89				
RCI (Roughness Condition Index)	63				
SCR (Surface Condition Rating)	92				
Alligator Cracking Index	100				
Rutting Index	92				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	99				
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	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.

Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0404 Service Access Road **TOTAL LENGTH: 0.32 Miles**

Section Number	0				
Section Length (mi)	0.32				
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)	94				
RCI (Roughness Condition Index)	88				
SCR (Surface Condition Rating)	95				
Alligator Cracking Index	100				
Rutting Index	97				
Patching Index	100				
Tranverse Cracking Index	98				
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.

Midwest Region

INDU : Indiana Dunes National Lakeshore

ROUTE: 0405 West Beach West Maintenance Road **TOTAL LENGTH: 0.18 Miles**

Section Number	0				
Section Length (mi)	0.18				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	19				
Lane Width (ft)	10				
Shoulder Width (ft)	4				
Roadway Condition Information					
PCR (Pavement Condition Rating)	49				
RCI (Roughness Condition Index)	52				
SCR (Surface Condition Rating)	49				
Alligator Cracking Index	73				
Rutting Index	90				
Patching Index	100				
Tranverse Cracking Index	91				
Longitudinal Cracking Index	91				
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	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.

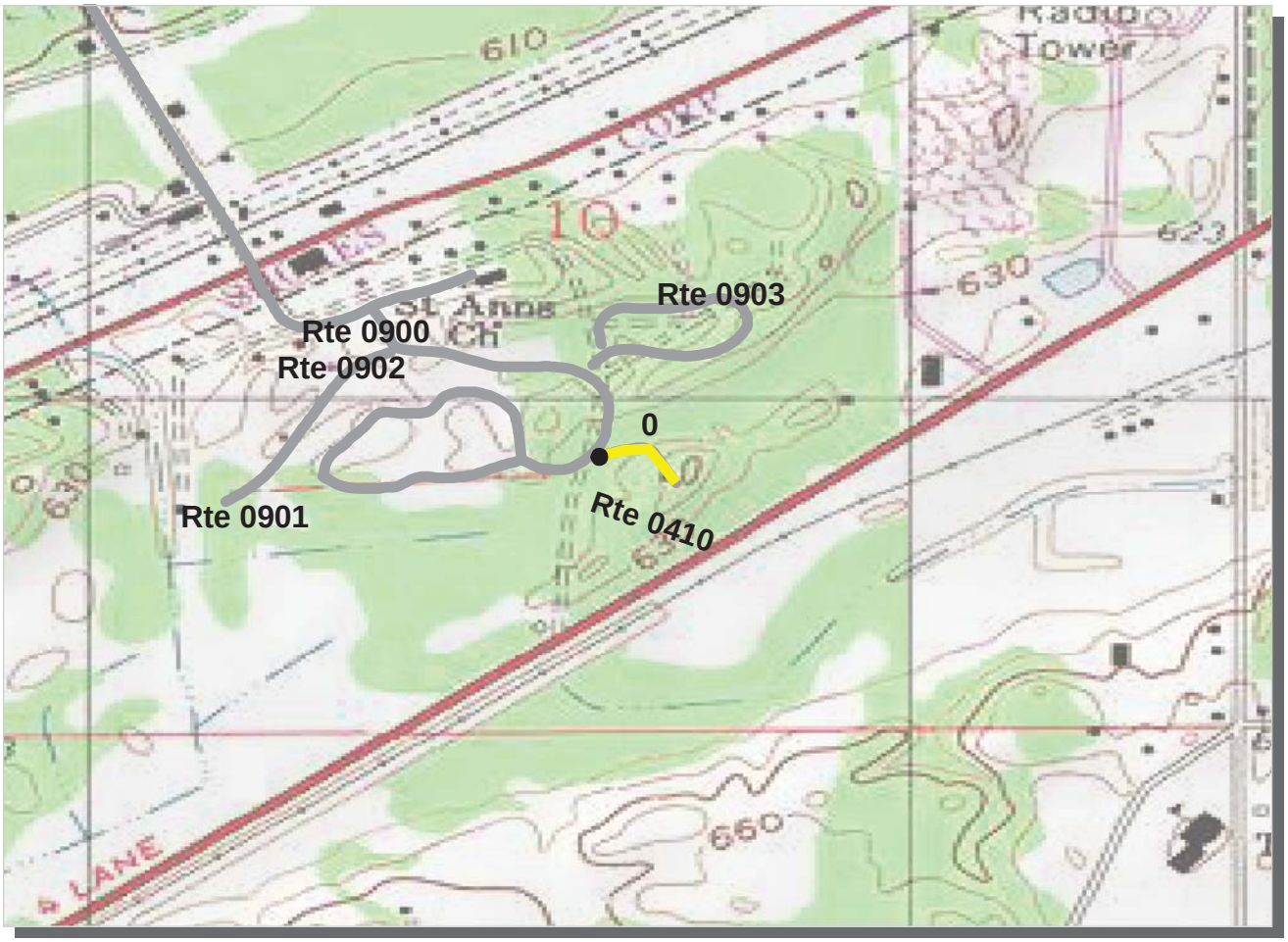
Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0406 West Beach Service Road **TOTAL LENGTH: 0.12 Miles**

Section Number	0				
Section Length (mi)	0.12				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	23				
Lane Width (ft)	11				
Shoulder Width (ft)	5				
Roadway Condition Information					
PCR (Pavement Condition Rating)	81				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	81				
Alligator Cracking Index	100				
Rutting Index	85				
Patching Index	100				
Tranverse Cracking Index	98				
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.

Midwest Region
INDU : Indiana Dunes National Lakeshore

ROUTE: 0410 Dunewood Service Road **TOTAL LENGTH: 0.10 Miles**

Section Number	0				
Section Length (mi)	0.10				
AADT	**				
SADT	**				
ADT Date	**				
Cross Section Information					
Number of Lanes	1				
Paved Width (ft)	10				
Lane Width (ft)	10				
Shoulder Width (ft)	3				
Roadway Condition Information					
PCR (Pavement Condition Rating)	73				
RCI (Roughness Condition Index)	NC				
SCR (Surface Condition Rating)	73				
Alligator Cracking Index	100				
Rutting Index	73				
Patching Index	100				
Tranverse Cracking Index	99				
Longitudinal Cracking Index	100				
Shoulder Condition Rating	GOOD				
Drainage Condition Rating	GOOD				

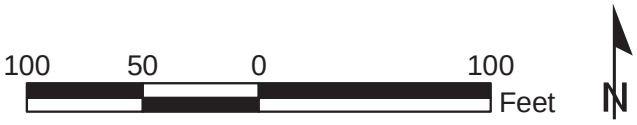
* NC designates data not collected NA designates not applicable

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

Indiana Dunes National Lakeshore
Route 0239
Bailey Drive
From Route 0217

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0239	0.08	0.00	0	0.00	NC / -1	AS

* Lane miles are based on 11' lane widths



Indiana Dunes National Lakeshore
Route 0409
Dunewood Water Storage Road
From Route 0219

Route	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles *	Condition / PCR	Surface Type
0409	0.04	0.00	5249	0.09	FAIR / 73	OC

* Lane miles are based on 11' lane widths

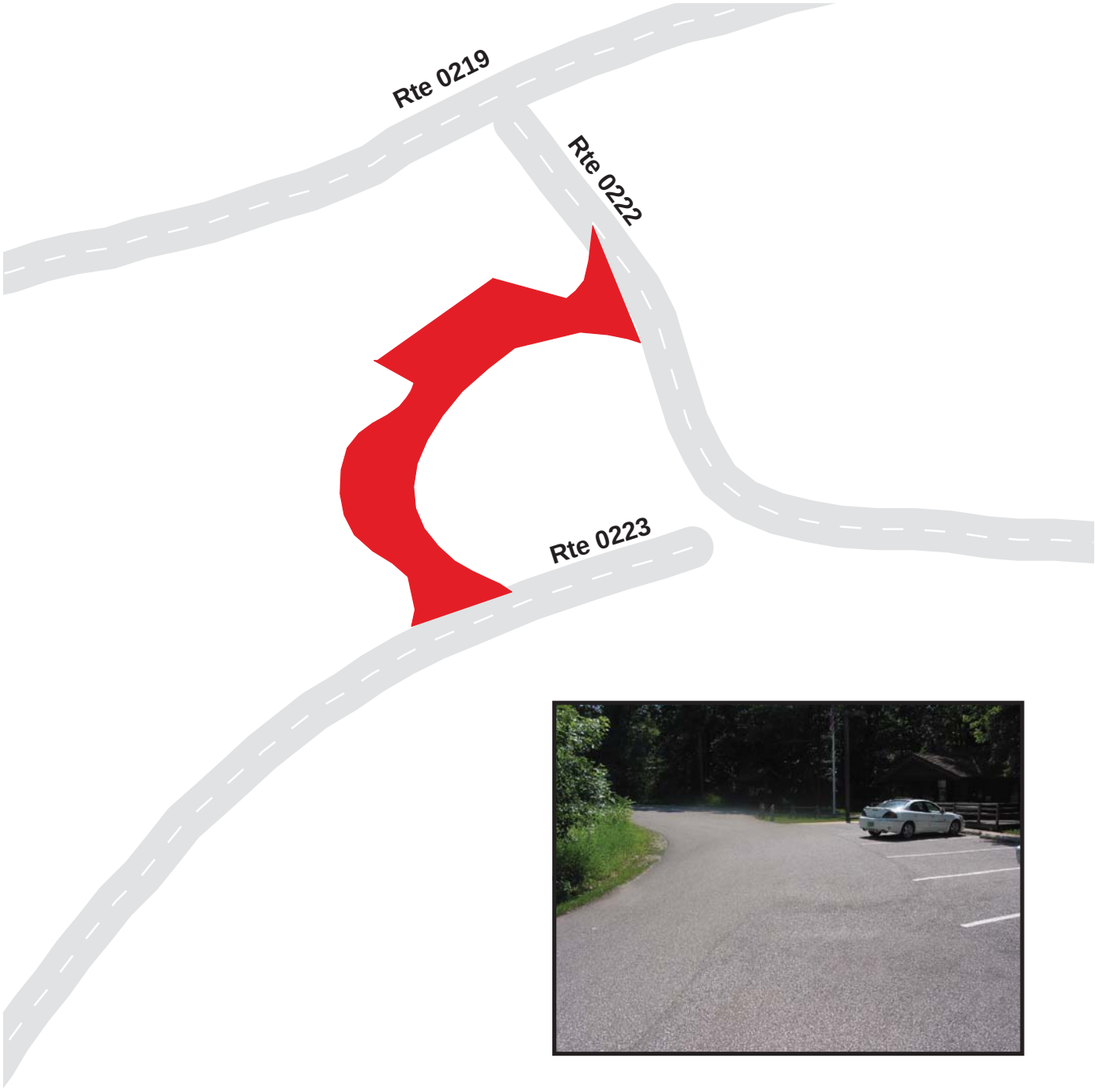
100 50 0 100
Feet

N

Indiana Dunes National Lakeshore
Route 0900
DUNEWOOD CAMPGROUND REGISTRATION PARKING
Adjacent to Route 0222 and Route 0223

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0900	Public	6/30/2003	6561	0.11	OC	GOOD / 90

* Lane miles are based on 11' lane widths



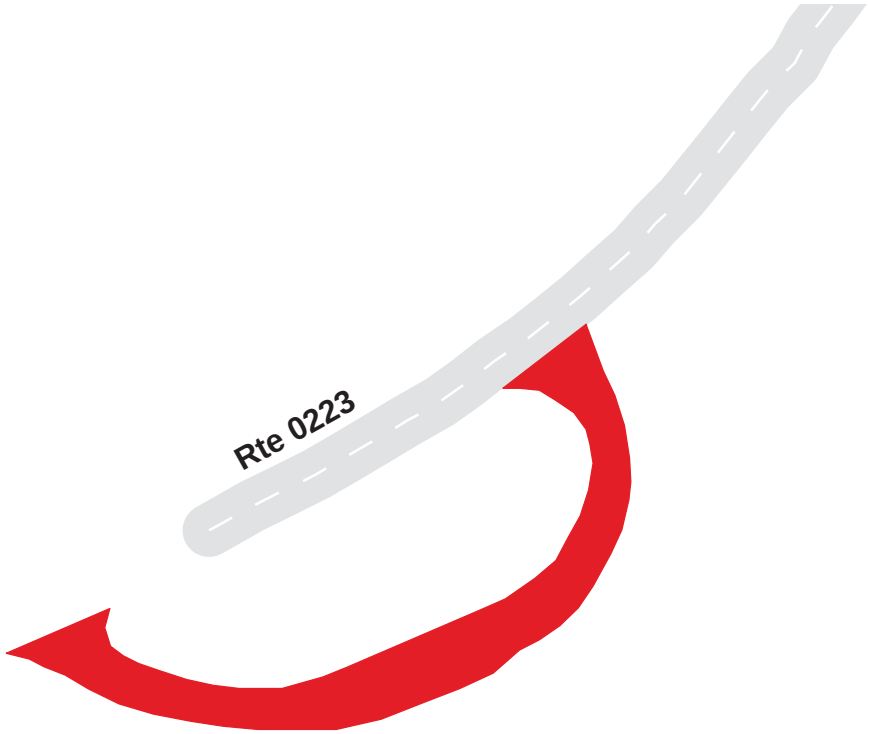
100 50 0 100
Feet

N

Indiana Dunes National Lakeshore
Route 0901
DUNEWOOD R.V. DUMP STATION PARKING
Adjacent to Route 0223

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0901	Public	6/30/2003	8467	0.15	OC	GOOD / 90

* Lane miles are based on 11' lane widths



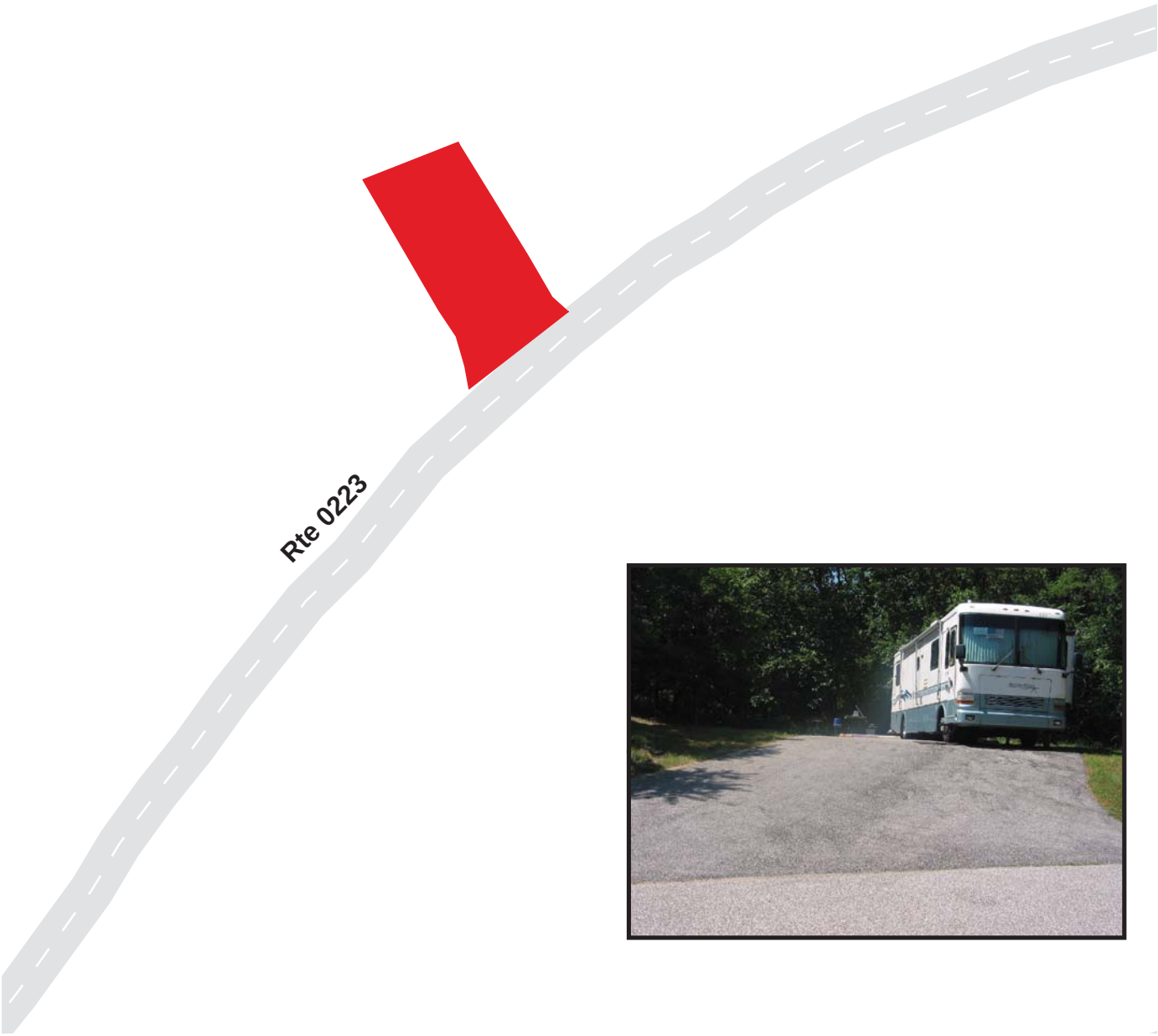
100 50 0 100
Feet

N

Indiana Dunes National Lakeshore
Route 0902
DUNEWOOD CAMPGROUND HOST PARKING
Adjacent to Route 0223

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0902	Public	7/1/2003	1517	0.03	AS	GOOD / 90

* Lane miles are based on 11' lane widths



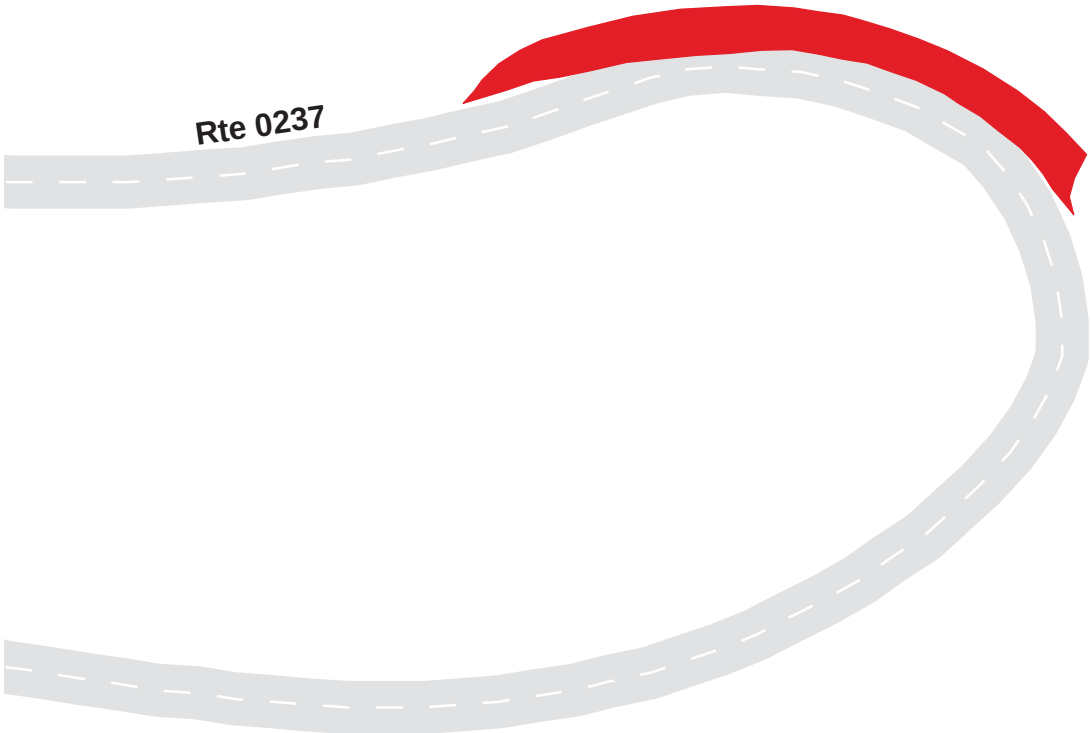
50 25 0 50 Feet

N

Indiana Dunes National Lakeshore
Route 0903
DUNEWOOD-DOUGLAS WALK-IN PARKING
Adjacent to Route 0237

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0903	Public	7/2/2003	4687	0.08	AS	GOOD / 90

* Lane miles are based on 11' lane widths



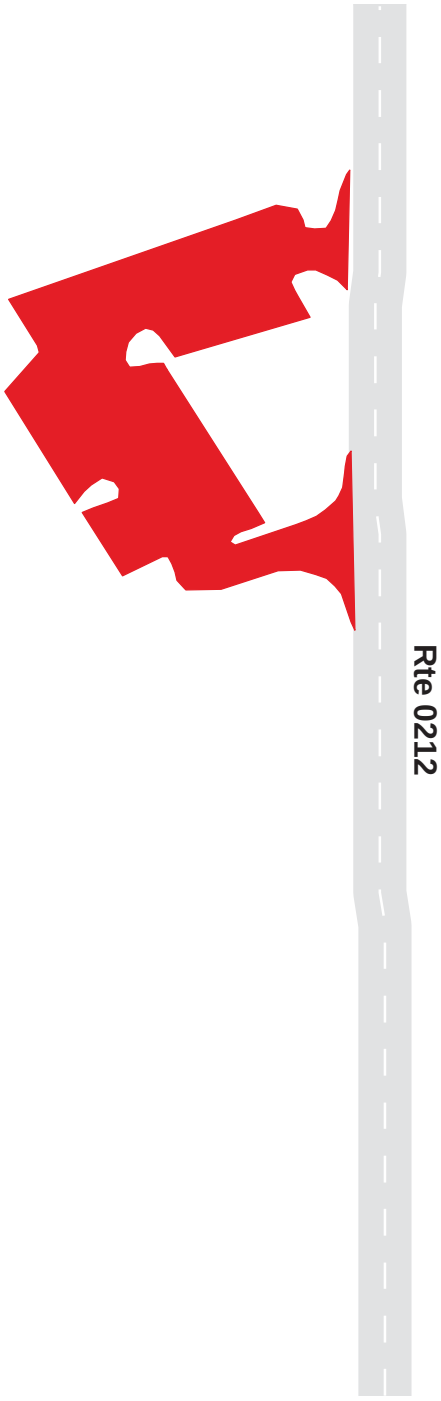
100 50 0 100
Feet

N

Indiana Dunes National Lakeshore
Route 0904
DORTHY BUELL VISITOR CENTER PARKING
Adjacent to Route 0212

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0904	Public	7/2/2003	16710	0.29	OC	GOOD / 90

* Lane miles are based on 11' lane widths



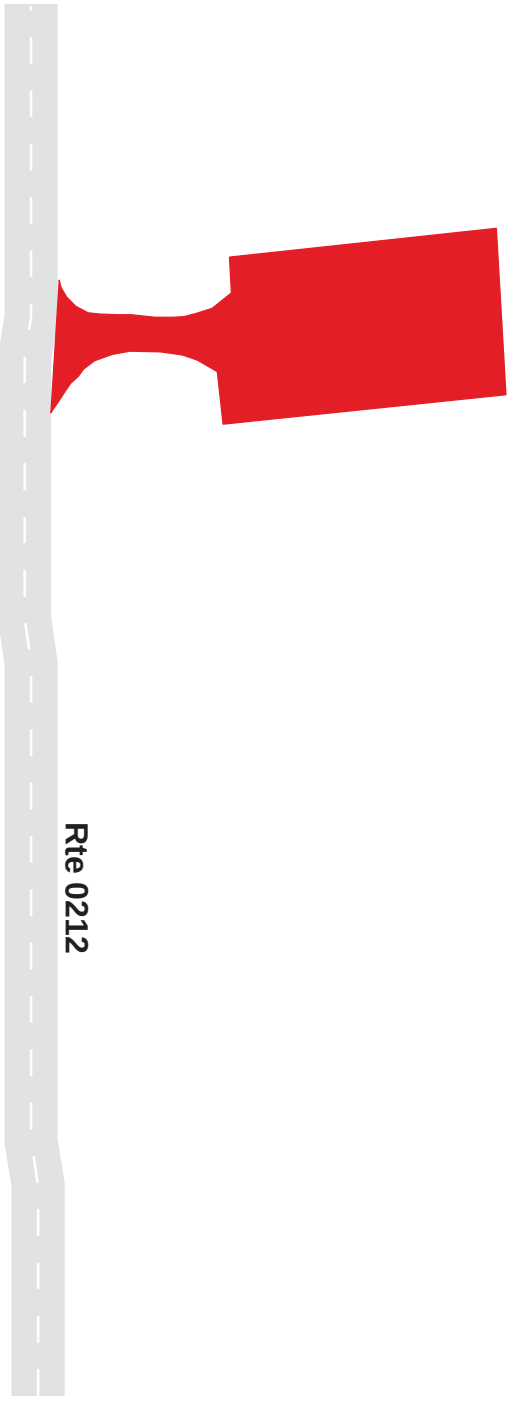
100 50 0 100
Feet

N

Indiana Dunes National Lakeshore
Route 0905
DOROTHY BUELL ANNEX PARKING
Adjacent to Route 0212

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0905	NonPublic	7/1/2003	7229	0.12	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



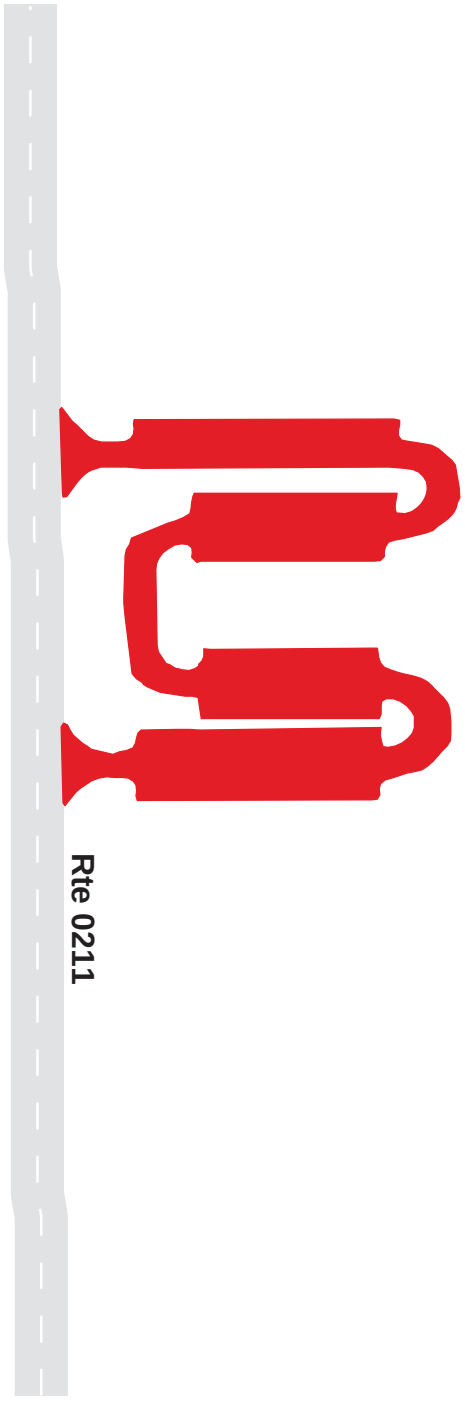
100 50 0 100 Feet

N

Indiana Dunes National Lakeshore
Route 0906
KEMIL BEACH PARKING
Adjacent to Route 0211

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0906	Public	7/2/2003	37732	0.65	OC	FAIR / 73

* Lane miles are based on 11' lane widths



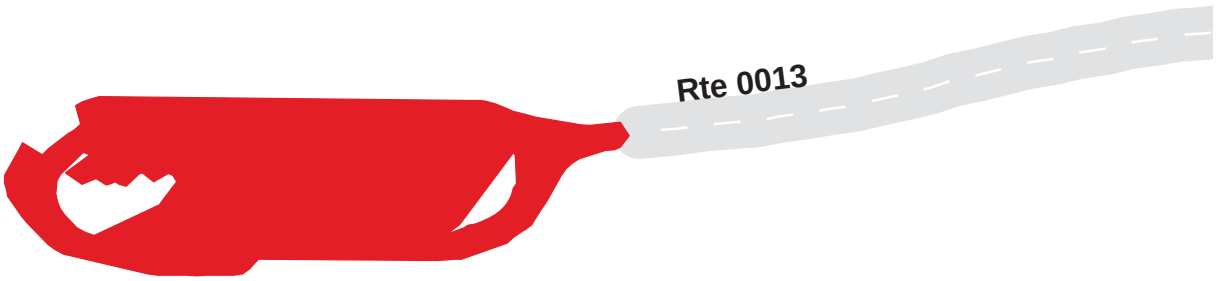
200 100 0 200
Feet

N

Indiana Dunes National Lakeshore
Route 0907
BAILLY/CHELLBERG VISITOR CENTER PARKING
At End of Route 0013

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0907	Public	7/2/2003	29980	0.52	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



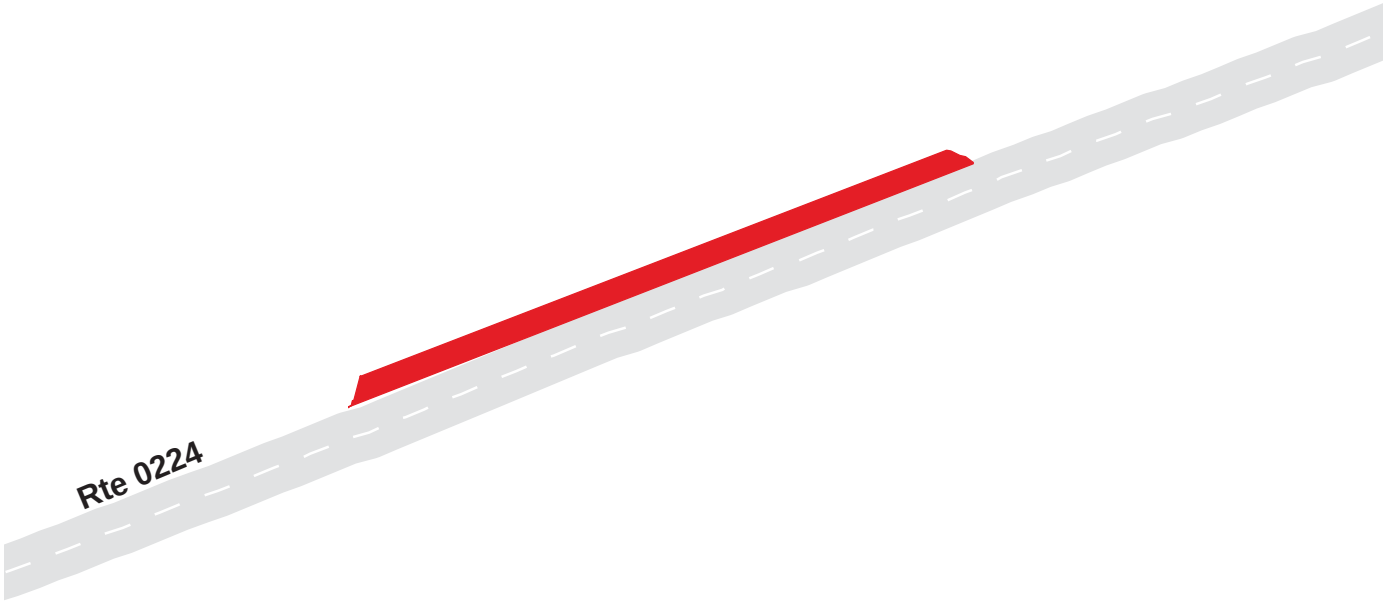
200 100 0 200 Feet

N

Indiana Dunes National Lakeshore
Route 0913
LAKE VIEW BEACH PARKING
Adjacent to Route 0224

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0913	Public	7/1/2003	9387	0.16	AS	FAIR / 73

* Lane miles are based on 11' lane widths



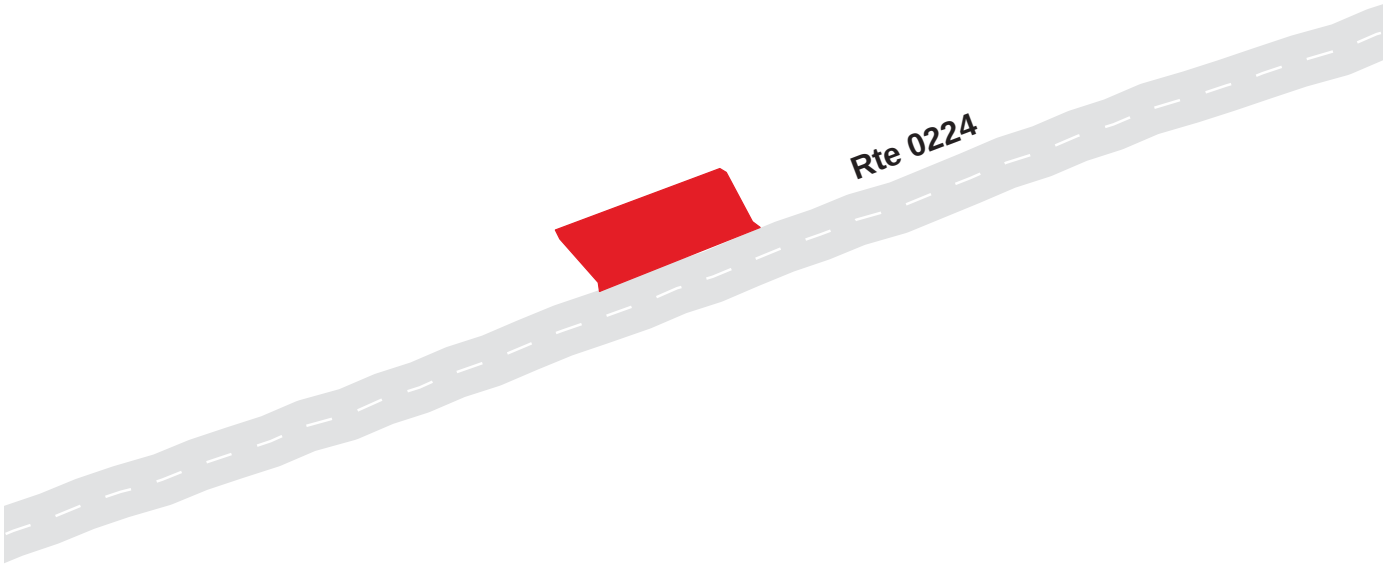
200 100 0 200
Feet

N

Indiana Dunes National Lakeshore
Route 0914
ROSTONE HOUSE PARKING AREA
Adjacent to Route 0224

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0914	Public	6/30/2003	1992	0.03	AS	POOR / 45

* Lane miles are based on 11' lane widths



100 50 0 100
Feet

N

7-10

Indiana Dunes National Lakeshore
Route 0916
MT. BALDY TRAIL PARKING
At End of Route 0010

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0916	Public	6/30/2003	53101	0.91	AS	GOOD / 90

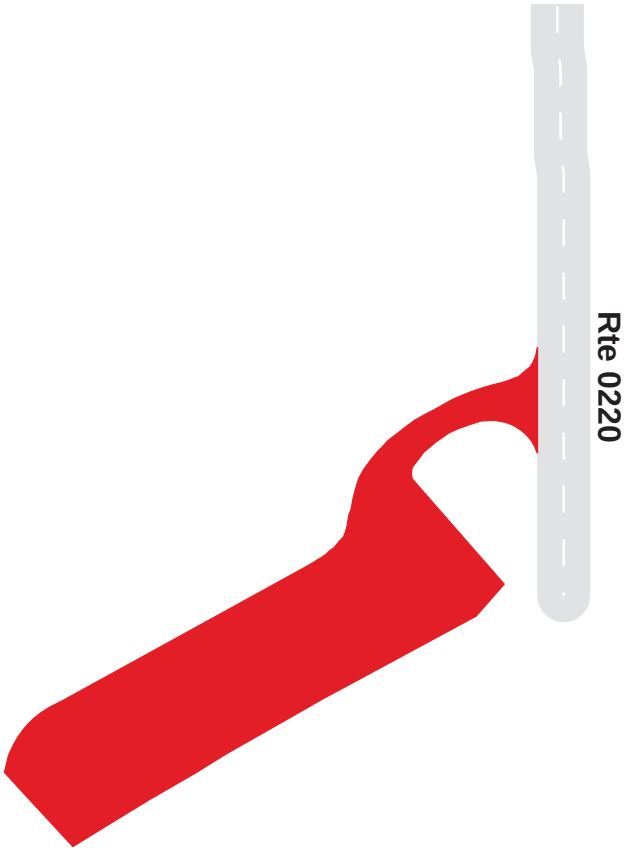
* Lane miles are based on 11' lane widths

7-11

Indiana Dunes National Lakeshore
Route 0917
LY-CO-KE-WE HORSE TRAIL PARKING
Adjacent to Route 0220

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0917	Public	7/1/2003	41325	0.71	AS	EXCELLENT / 97

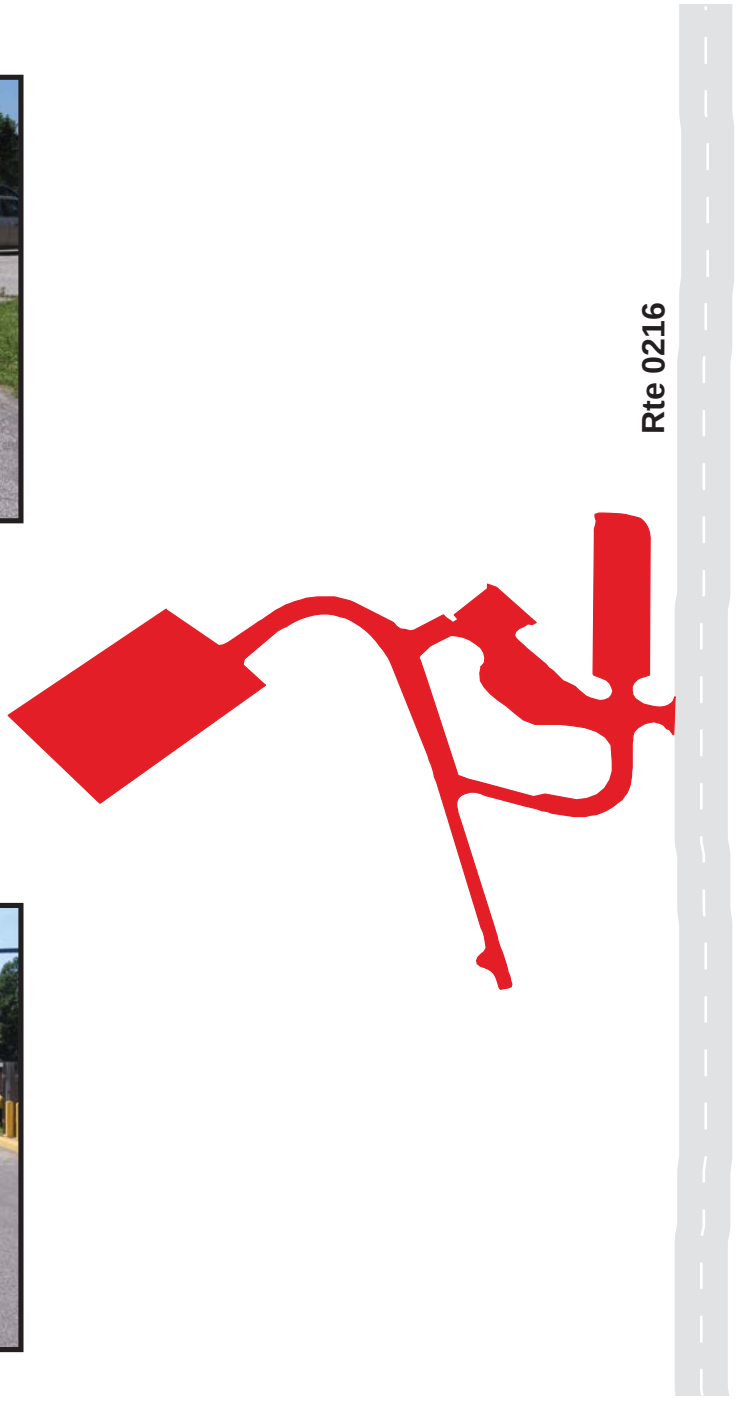
* Lane miles are based on 11' lane widths



Indiana Dunes National Lakeshore
Route 0918
BAILLY MAINTENANCE SHOPS PARKING
Adjacent to Route 0216

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0918	NonPublic	7/1/2003	79474	1.37	AS	GOOD / 90

* Lane miles are based on 11' lane widths



7-13

Indiana Dunes National Lakeshore
Route 0919
BAILLY ADMINISTRATIVE PARKING
Adjacent to Route 0216

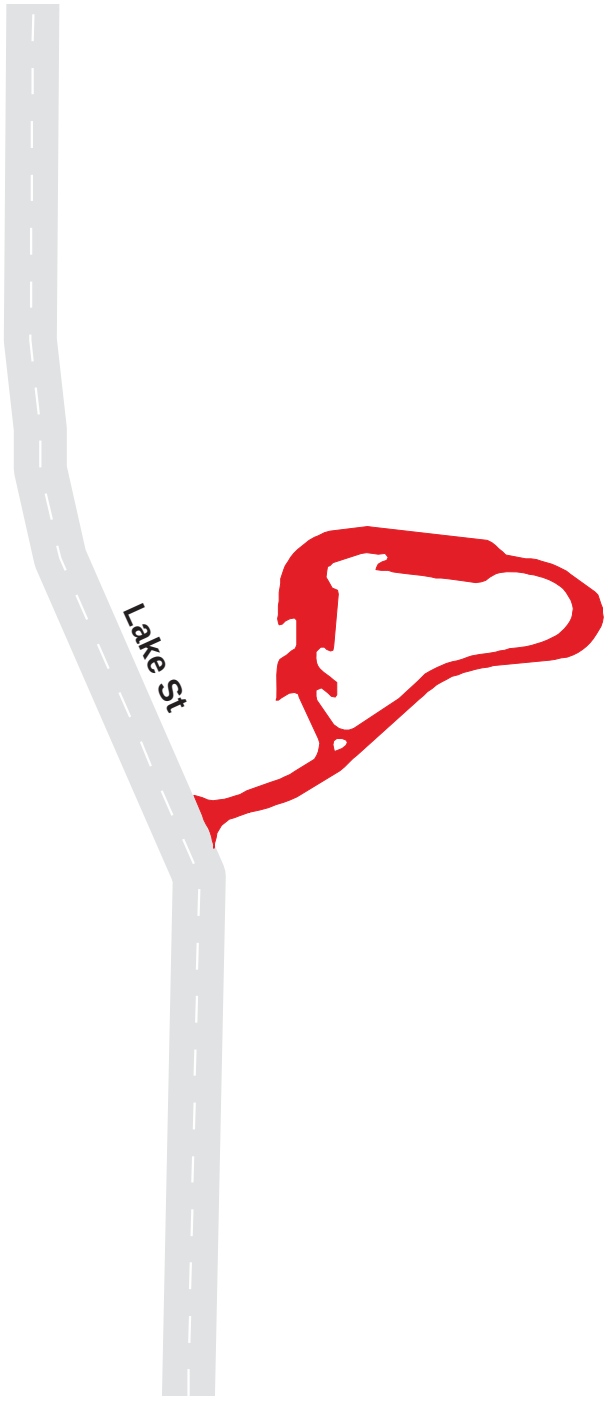
Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0919	NonPublic	7/1/2003	46489	0.80	OC	GOOD / 90

* Lane miles are based on 11' lane widths

Indiana Dunes National Lakeshore
Route 0920
DOUGLAS CENTER PARKING
Adjacent to Lake Street

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0920	Public	7/2/2003	26931	0.46	AS	GOOD / 90

* Lane miles are based on 11' lane widths



300 150 0 300
Feet

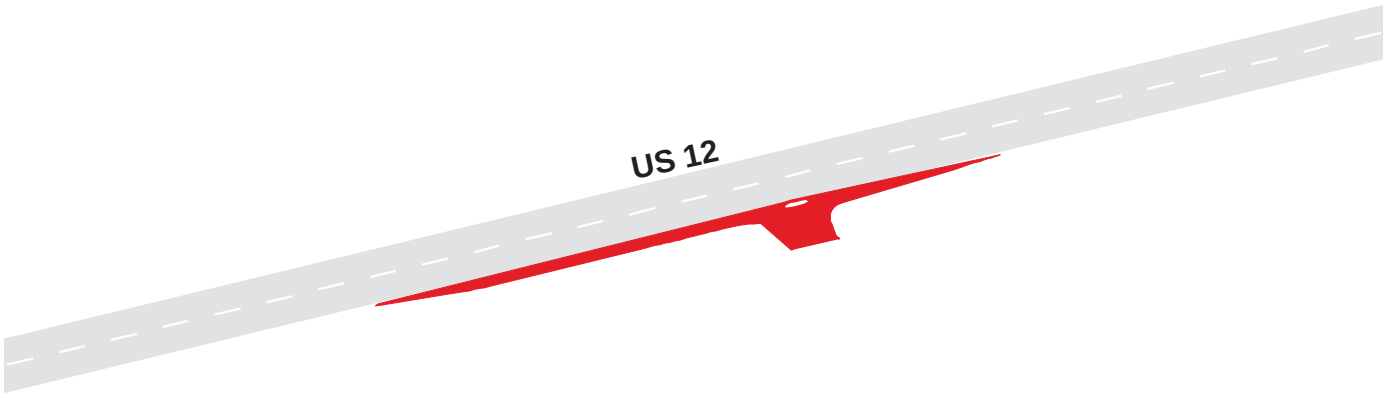
N

7-15

Indiana Dunes National Lakeshore
Route 0921
INLAND MARSH OVERLOOK PARKING
Adjacent to U.S. 12 (Ogden Dunes Area)

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0921	Public	6/30/2003	7439	0.13	AS	GOOD / 90

* Lane miles are based on 11' lane widths



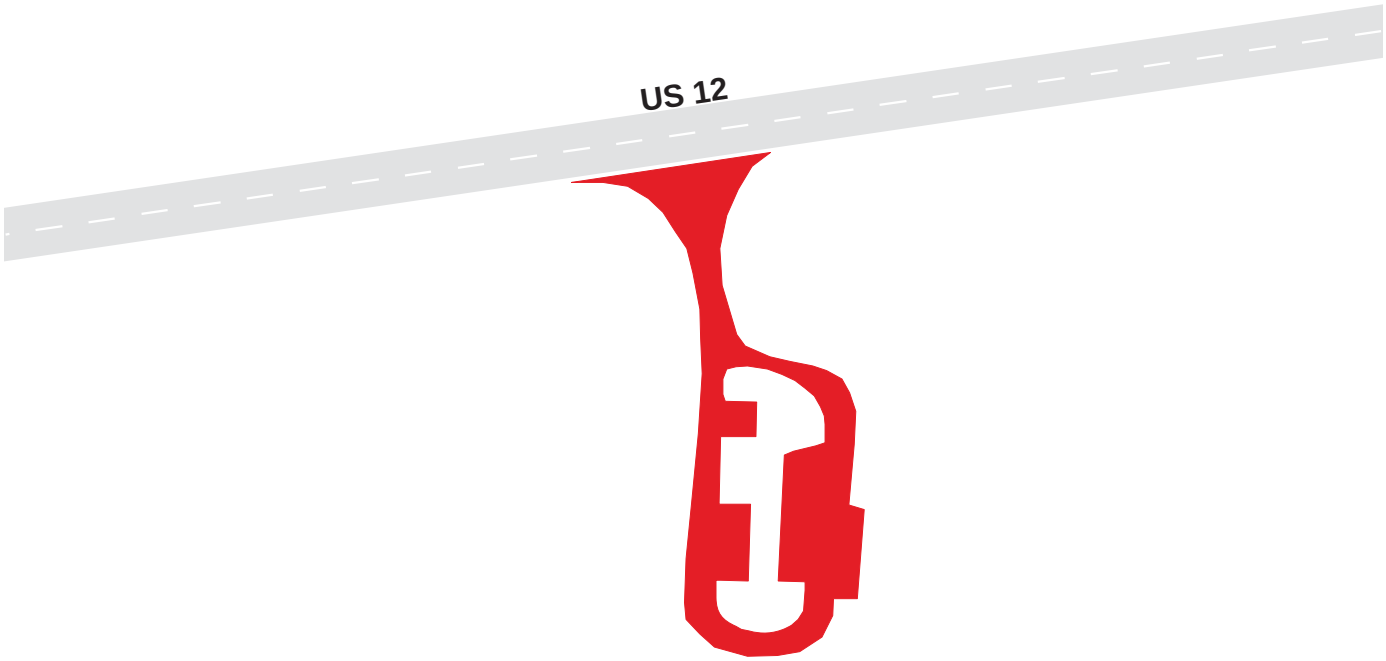
200 100 0 200
Feet

N

Indiana Dunes National Lakeshore
Route 0922
INLAND MARSH TRAILHEAD PARKING
Adjacent to U.S. 12 (Ogden Dunes Area)

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0922	Public	6/30/2003	22063	0.38	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



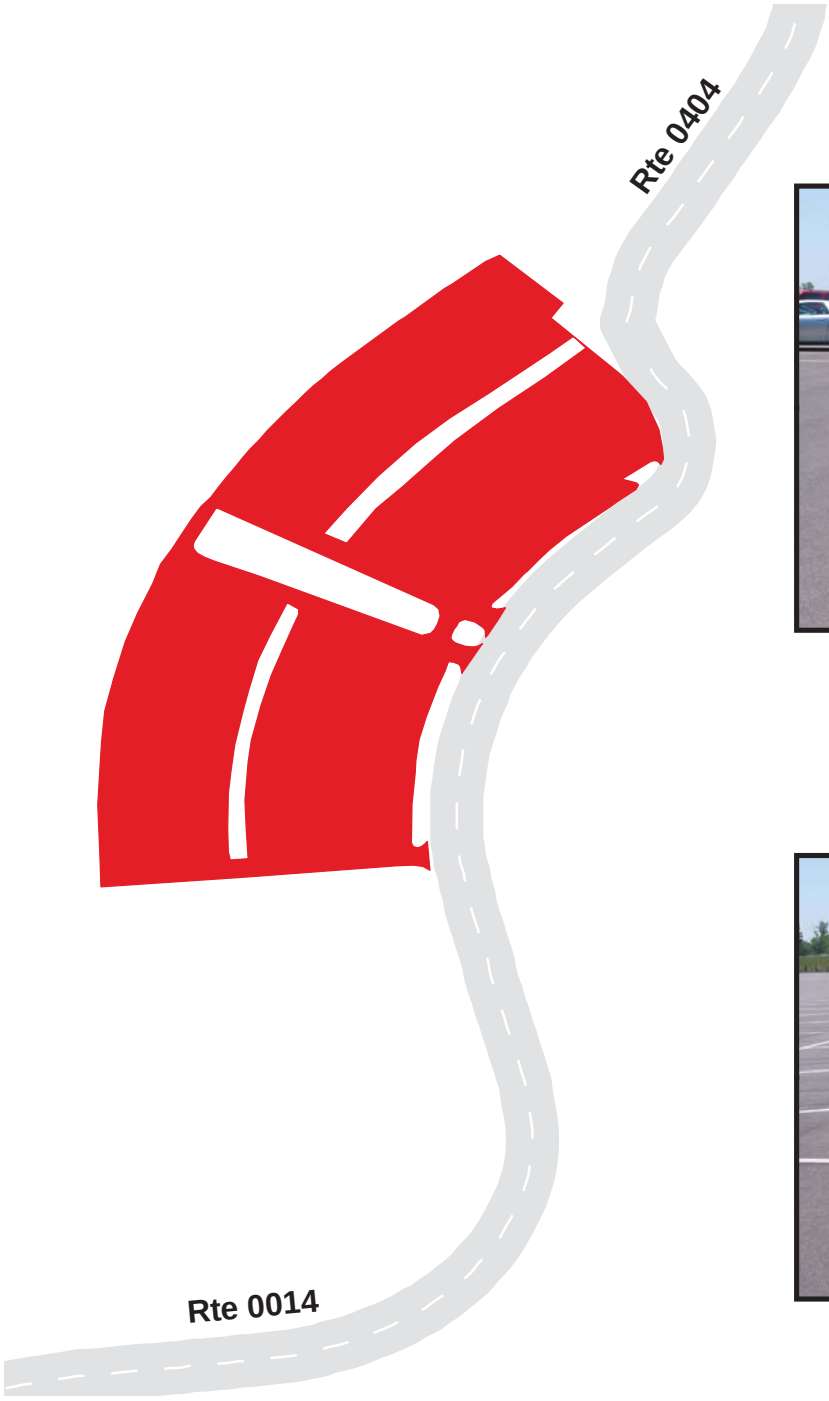
200 100 0 200
Feet

N

Indiana Dunes National Lakeshore
Route 0923
WEST BEACH VISITOR CENTER PARKING
Adjacent to Route 0014

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0923	Public	7/1/2003	325671	5.61	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths



300 150 0 300
Feet

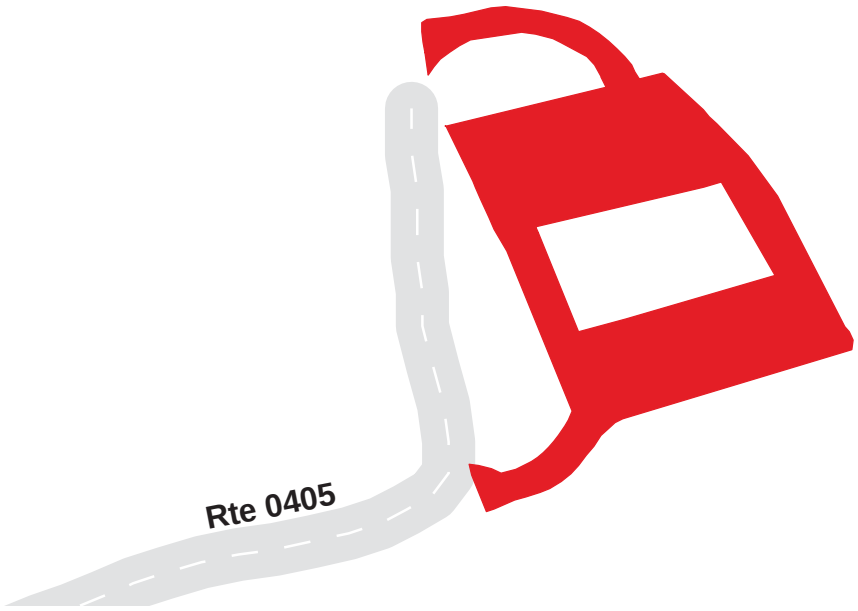
N

7-18

Indiana Dunes National Lakeshore
Route 0925
WEST BEACH MAINTENANCE PARKING A
Adjacent to Route 0405 and Route 0406

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0925	NonPublic	6/30/2003	16011	0.28	OC	EXCELLENT / 97

* Lane miles are based on 11' lane widths



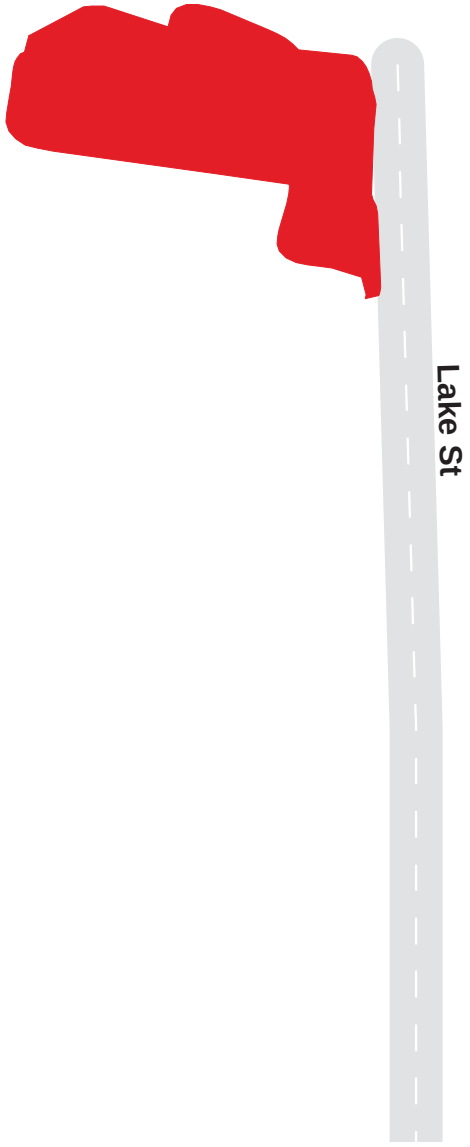
100 50 0 100
Feet

N

Indiana Dunes National Lakeshore
Route 0926
MARQUETTE PARK BOAT LAUNCH PARKING
Adjacent to Lake Street

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0926	Public	6/30/2003	100609	1.73	OC	POOR / 45

* Lane miles are based on 11' lane widths

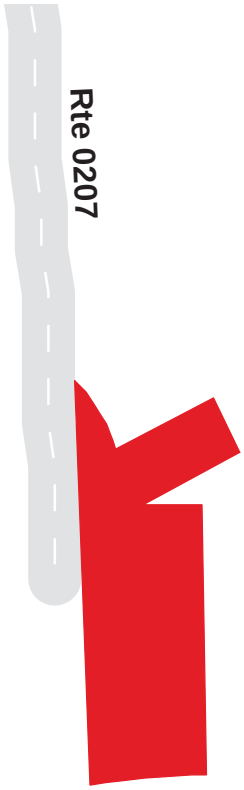


7-20

Indiana Dunes National Lakeshore
Route 0927A
GOODFELLOW CAMP PARKING A
Adjacent to Route 0207

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0927A	Public	7/1/2003	5745	0.10	AS	GOOD / 90

* Lane miles are based on 11' lane widths



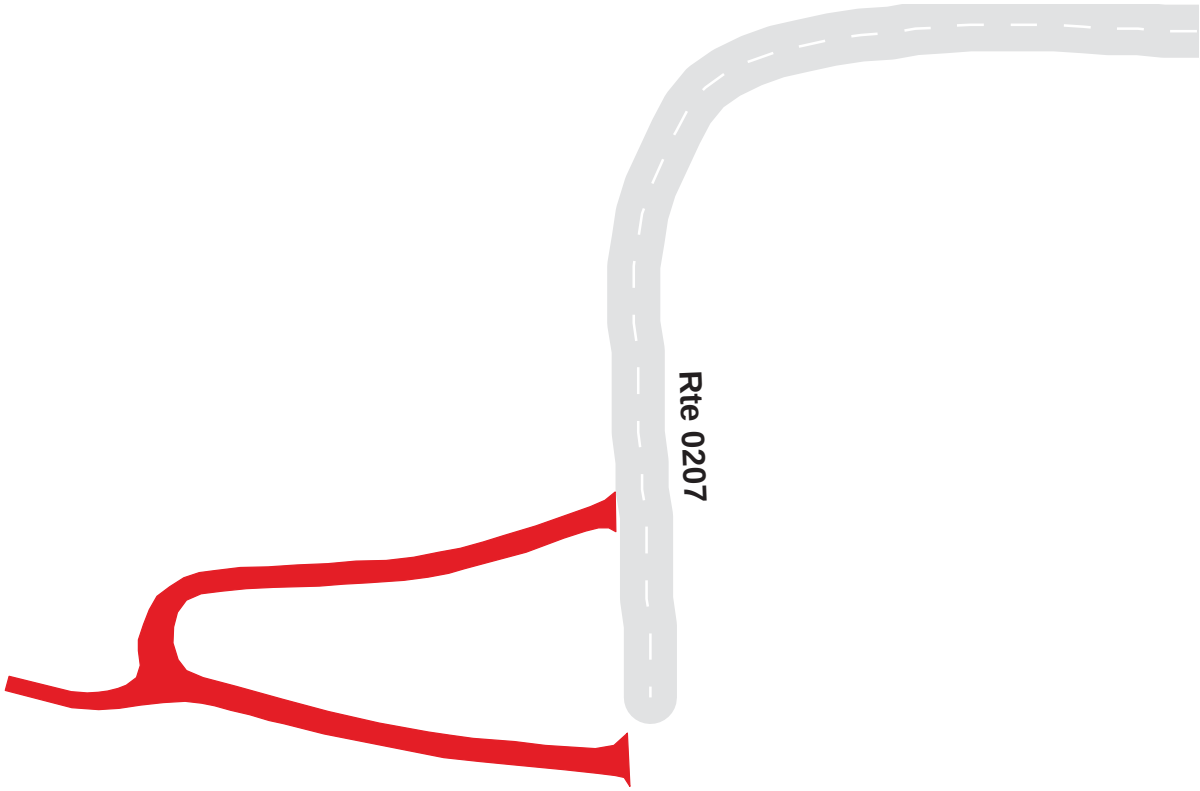
100 50 0 100
Feet

N

Indiana Dunes National Lakeshore
Route 0927B
GOODFELLOW CAMP PARKING B
Adjacent to Route 0207

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0927B	Public	7/2/2003	8839	0.15	AS	GOOD / 90

* Lane miles are based on 11' lane widths



150 75 0 150
Feet

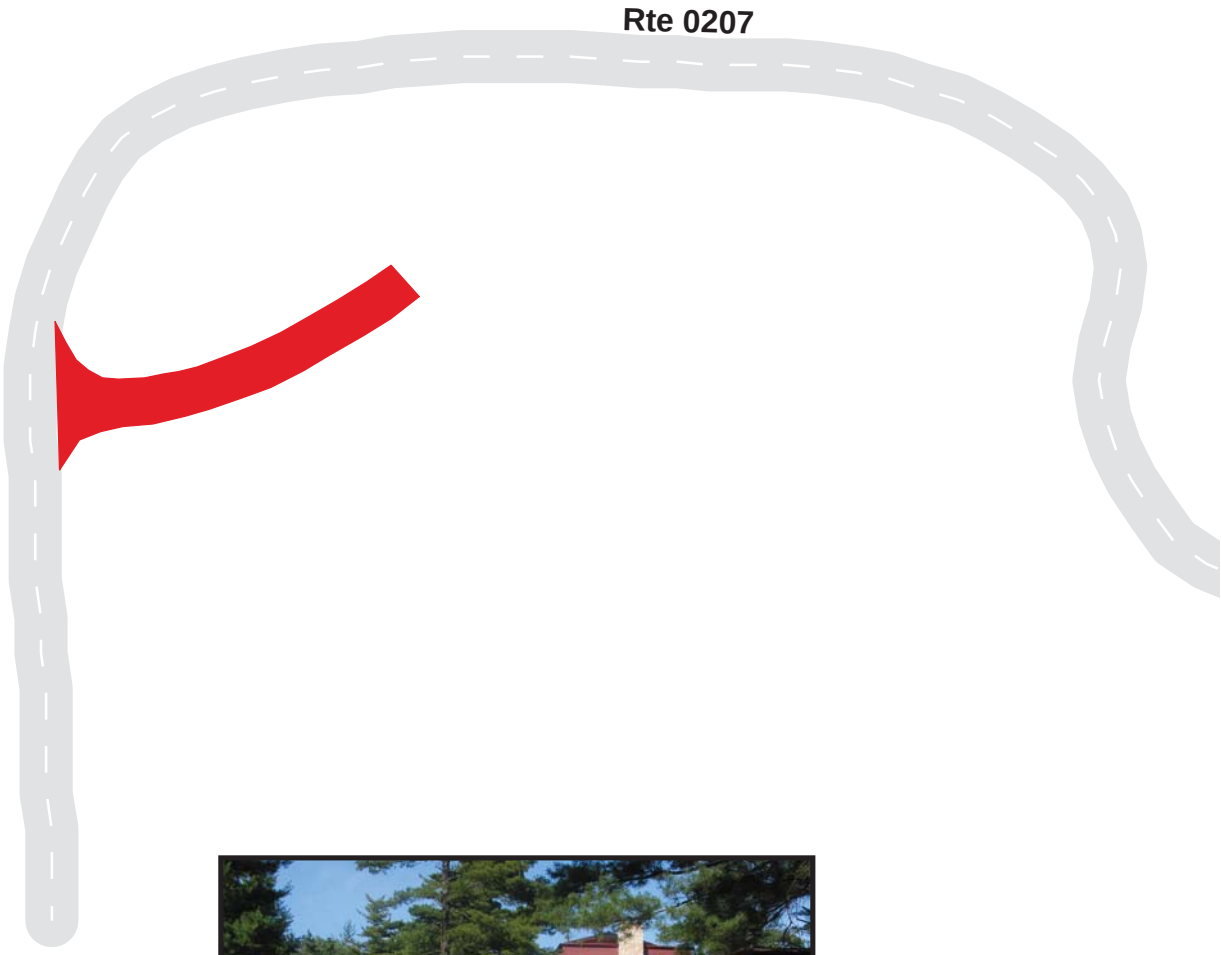
N

7-22

Indiana Dunes National Lakeshore
Route 0927C
GOODFELLOW CAMP PARKING C
Adjacent to Route 0207

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0927C	Public	7/2/2003	3740	0.06	AS	GOOD / 90

* Lane miles are based on 11' lane widths



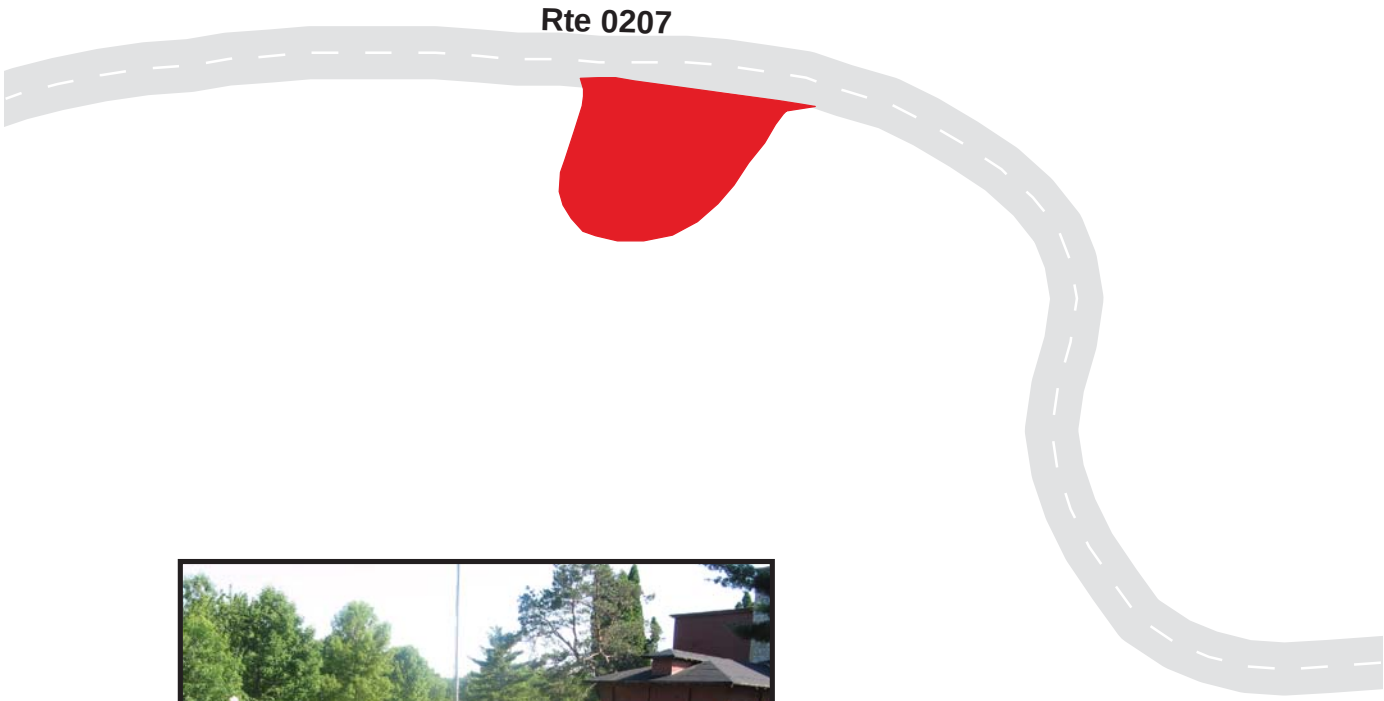
100 50 0 100
Feet

N

Indiana Dunes National Lakeshore
Route 0927D
GOODFELLOW CAMP PARKING D
Adjacent to Route 0207

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0927D	Public	7/2/2003	3851	0.07	AS	GOOD / 90

* Lane miles are based on 11' lane widths

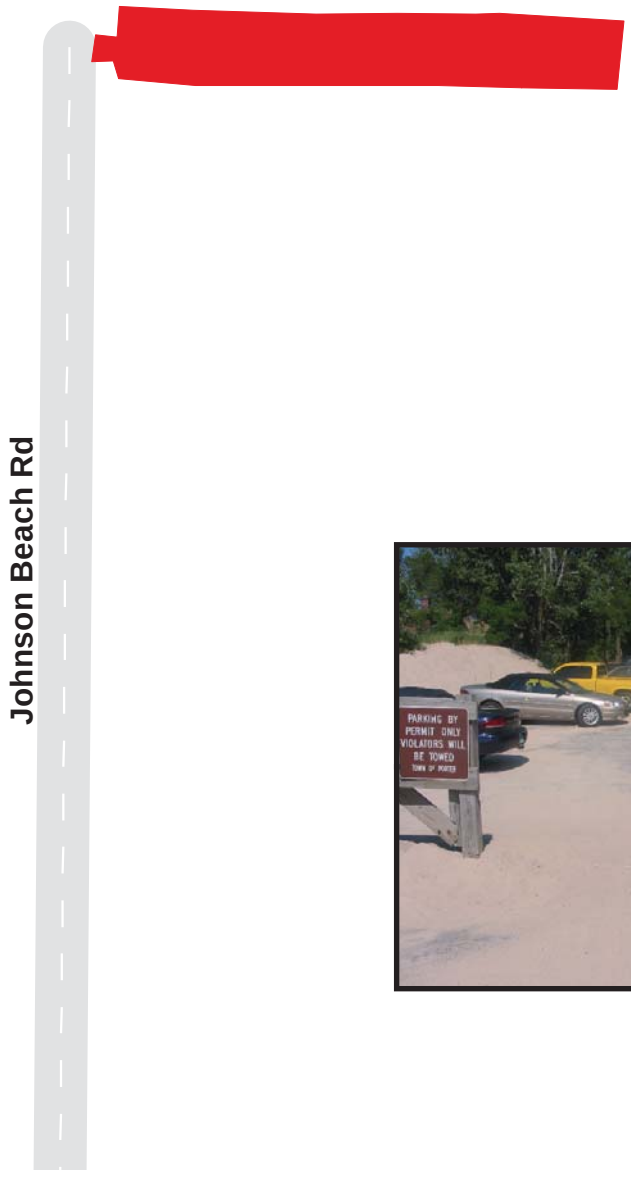


7-24

Indiana Dunes National Lakeshore
Route 0929
PORTER BEACH PARKING
At End of Johnson Beach Road

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0929	Public	7/1/2003	8816	0.15	AS	GOOD / 90

* Lane miles are based on 11' lane widths



100 50 0 100
Feet

N

7-25

Indiana Dunes National Lakeshore
Route 0936
LONG LAKE TRAIL PARKING
Adjacent to Route 0014

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0936	Public	7/2/2003	6914	0.12	AS	EXCELLENT / 97

* Lane miles are based on 11' lane widths

100 50 0 100
Feet

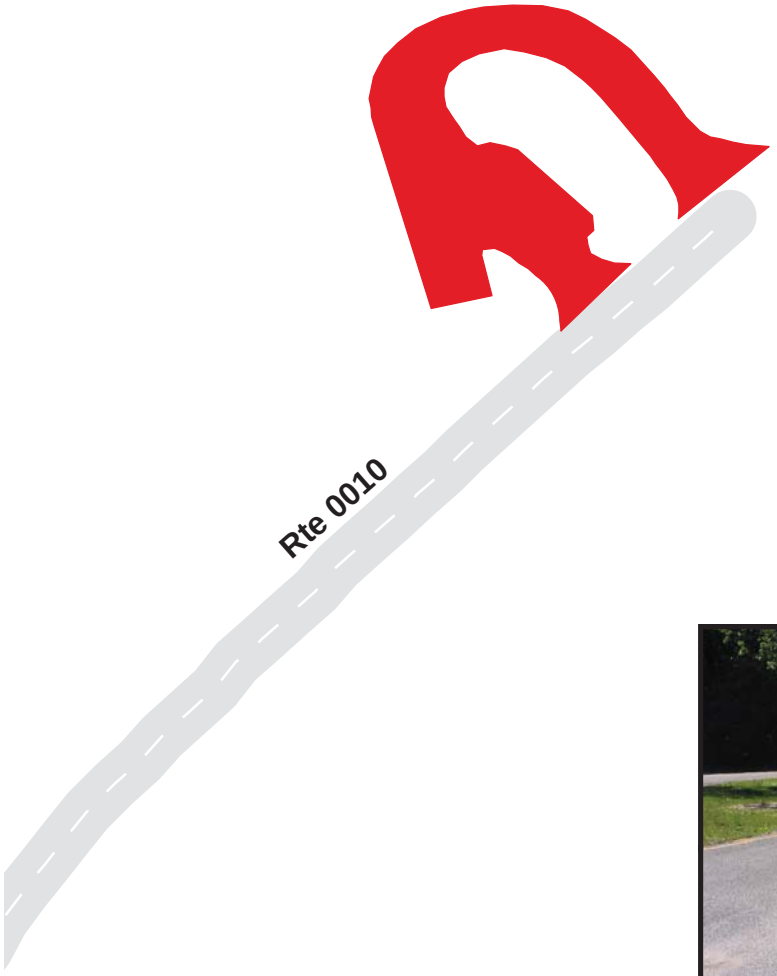
N

7-26

Indiana Dunes National Lakeshore
Route 0937
BALDY BUS PARKING
Adjacent to Route 0010

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0937	Public	6/30/2003	10756	0.19	AS	GOOD / 90

* Lane miles are based on 11' lane widths



100 50 0 100
Feet

N

7-27

Indiana Dunes National Lakeshore
Route 0938
DUNBAR PARKING AREA
Adjacent to Dunbar Street off of Route 0224

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0938	Public	6/30/2003	0	0.00	OC	GOOD / 90

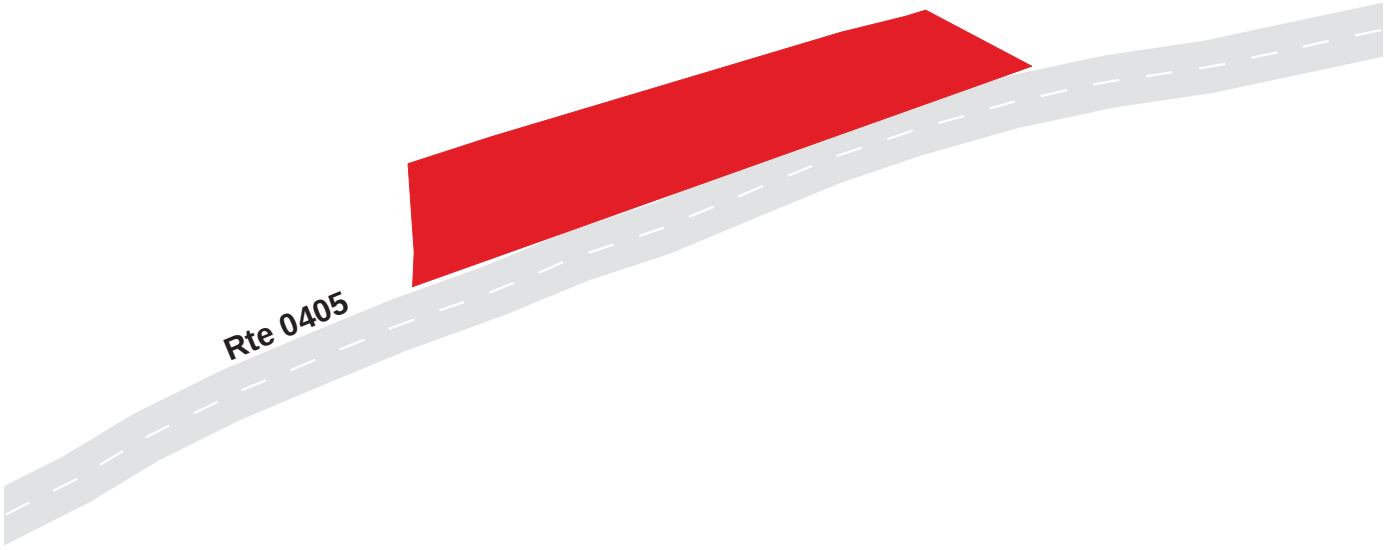
* Lane miles are based on 11' lane widths

No Data

Indiana Dunes National Lakeshore
Route 0943
MARQUETTE TRAIL PARKING
Adjacent to Route 0405

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0943	Public	6/30/2003	1845	0.03	AS	GOOD / 90

* Lane miles are based on 11' lane widths



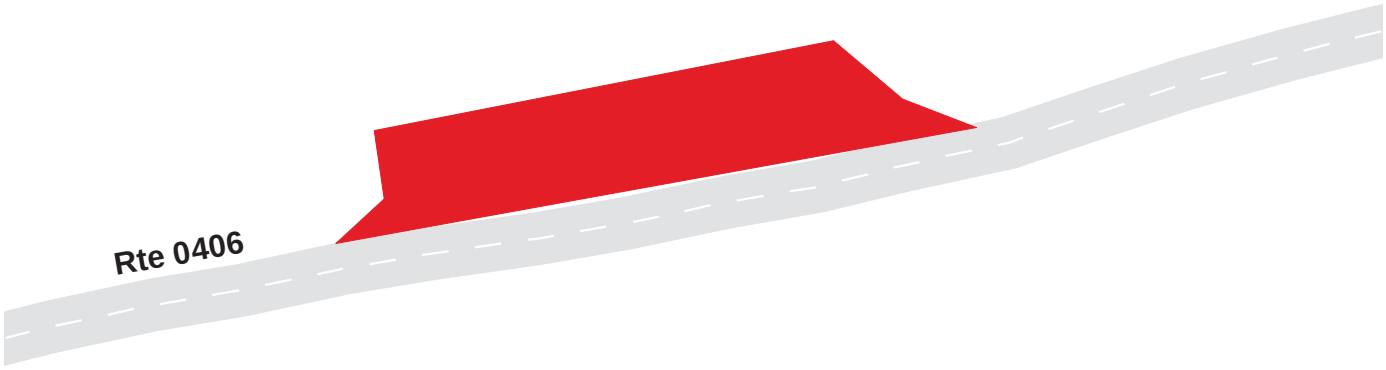
50 25 0 50 Feet

N

Indiana Dunes National Lakeshore
Route 0944
WEST BEACH SERVICE ROAD PARKING
Adjacent to Route 0406

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0944	Public	7/2/2003	1525	0.03	AS	GOOD / 90

* Lane miles are based on 11' lane widths



50 25 0 50 Feet

N

7-30

Indiana Dunes National Lakeshore
Route 0948
HOWE ROAD/CALUMET RIVER TRAIL PARKING
Adjacent to Route 0218

Route	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type	Condition / PCR
0948	Public	7/1/2003	1269	0.02	AS	GOOD / 90

* Lane miles are based on 11' lane widths

50 25 0 50
Feet

N

INDU: PARKWIDE MAINTENANCE FEATURES SUMMARY

FEATURE	*PARK TOTAL*	*UNIT*
BRIDGE	2	EACH
CATTLE GUARD	0	EACH
CULVERT	37	EACH
CURB	4,103	LINEAR FEET
DROP INLET	1	EACH
GUARD WALL	0	LINEAR FEET
GUARDRAIL	2,482	LINEAR FEET
INTERSECTION	271	EACH
LOW WATER CROSSING	0	EACH
OVERHEAD SIGN	0	EACH
PARK BOUNDARY	0	EACH
PAVED DITCH	0	LINEAR FEET
PULLOUT	9	EACH
RAILROAD CROSSING	13	EACH
RETAINING WALL	1	EACH
STATE BOUNDARY	0	EACH
TRAFFIC LIGHT	0	EACH
TUNNEL	0	EACH
TURNOUT	0	LINEAR FEET

INDU: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0010 RICE STREET (MT BALDY ACCESS ROAD)	ROUTE 0013 BAILLY/CHELLBERG VISITOR CENTER ROAD	ROUTE 0014 WEST BEACH ACCESS ROAD	ROUTE 0015 WEST BEACH ENTRY ROAD	ROUTE 0207 GOODFELLOW CAMP ROAD	ROUTE 0209 BEVERLY DRIVE	UNIT
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	0	1	1	0	3	3	EACH
CURB	0	0	591	0	0	602	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	185	0	0	0	LINEAR FEET
INTERSECTION	5	3	12	2	9	32	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	1	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

INDU: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	*ROUTE 0210 CENTRAL AVENUE*	*ROUTE 0211 EAST STATE PARK ROAD (300 EAST ROAD)*	*ROUTE 0212 KEMIL ROAD (300 EAST ROAD)*	*ROUTE 0213 FURNESSVILLE ROAD (1500 NORTH ROAD)*	*ROUTE 0214 TEALE ROAD*	*ROUTE 0215 COUNTY LINE ROAD*	*UNIT*
BRIDGE	0	0	0	0	0	1	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	1	1	2	1	1	0	EACH
CURB	0	0	0	53	0	158	LINEAR FEET
DROP INLET	0	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	116	0	0	0	0	1,251	LINEAR FEET
INTERSECTION	10	6	10	16	5	9	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	3	1	0	0	0	6	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

INDU: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0216 MINERAL SPRINGS ROAD	ROUTE 0217 OAK HILL ROAD	ROUTE 0218 HOWE ROAD	ROUTE 0219 DUNEWOOD AMPETHEATER ACCESS ROAD	ROUTE 0220 SCHOOL HOUSE ROAD (275 E)	ROUTE 0221 BROADWAY	UNIT
BRIDGE	0	0	1	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	1	6	5	0	1	1	EACH
CURB	0	0	148	0	0	623	LINEAR FEET
DROP INLET	0	0	1	0	0	0	EACH
GUARD WALL	0	0	0	0	0	0	LINEAR FEET
GUARDRAIL	116	370	375	0	0	0	LINEAR FEET
INTERSECTION	12	10	9	10	6	24	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	3	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

INDU: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	*ROUTE 0222 DUNEWOOD / MATHER CAMPGROUND ACCESS RD*	*ROUTE 0223 DUNEWOOD RV DUMP STATION ROAD*	*ROUTE 0224 LAKE FRONT DRIVE*	*ROUTE 0225 TREMONT AVENUE*	*ROUTE 0226 SOUTH STATE PARK ROAD (1500 NORTH ROAD)*	*ROUTE 0237 DOUGLAS CAMPGROUND LOOP*	*UNIT*
BRIDGE	0	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	0	EACH
CULVERT	1	0	3	2	3	0	EACH
CURB	0	0	1,927	0	0	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	10	5	20	8	12	5	EACH
LOW WATER CROSSING	0	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	0	LINEAR FEET
PULLOUT	0	0	6	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	0	EACH
RETAINING WALL	0	0	1	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

INDU: ROUTE MAINTENANCE FEATURES SUMMARY

FEATURE	ROUTE 0238 MATHER CAMPGROUND LOOP	ROUTE 0404 SERVICE ACCESS ROAD	ROUTE 0405 WEST BEACH WEST MAINTENANCE ROAD	ROUTE 0406 WEST BEACH SERVICE ROAD	ROUTE 0410 DUNEWOOD SERVICE ROAD	UNIT
BRIDGE	0	0	0	0	0	EACH
CATTLE GUARD	0	0	0	0	0	EACH
CULVERT	0	0	0	0	0	EACH
CURB	0	0	0	0	0	LINEAR FEET
DROP INLET	0	0	0	0	0	EACH
GUARD WALL	0	0	0	0	0	LINEAR FEET
GUARDRAIL	0	0	69	0	0	LINEAR FEET
INTERSECTION	3	6	6	4	2	EACH
LOW WATER CROSSING	0	0	0	0	0	EACH
OVERHEAD SIGN	0	0	0	0	0	EACH
PARK BOUNDARY	0	0	0	0	0	EACH
PAVED DITCH	0	0	0	0	0	LINEAR FEET
PULLOUT	2	0	0	0	0	EACH
RAILROAD CROSSING	0	0	0	0	0	EACH
RETAINING WALL	0	0	0	0	0	EACH
STATE BOUNDARY	0	0	0	0	0	EACH
TRAFFIC LIGHT	0	0	0	0	0	EACH
TUNNEL	0	0	0	0	0	EACH
TURNOUT	0	0	0	0	0	LINEAR FEET

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0010 : RICE STREET (MT BALDY ACCESS ROAD)

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT US 12
0.005	0.005	INTERSECTION	LEFT	US 12
0.009	0.009	INTERSECTION	RIGHT	US 12
0.099	0.099	INTERSECTION	LEFT	RTE 937
0.110	0.110	INTERSECTION	LEFT	RTE 937
0.120	0.120			ROUTE ENDS AT ROUTE 0916
0.132	0.132	INTERSECTION	LEFT	RTE 916

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0013 : BAILLY/CHELLBERG VISITOR CENTER ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0216
0.009	0.009	CULVERT	N/A	
0.009	0.009	INTERSECTION	RIGHT	RTE 216
0.017	0.017	INTERSECTION	LEFT	RTE 216
0.085	0.085	INTERSECTION	LEFT	END OF RTE 907
0.090	0.090			ROUTE ENDS AT ROUTE 0907

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0014 : WEST BEACH ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0215
0.009	0.009	INTERSECTION	LEFT	RTE 215
0.010	0.010	INTERSECTION	RIGHT	RTE 215
0.018	0.024	GUARDRAIL	LEFT	
0.272	0.272	INTERSECTION	LEFT	RTE 014
0.297	0.297	INTERSECTION	RIGHT	RTE 015
0.501	0.515	CURB	LEFT	
0.503	0.503	INTERSECTION	LEFT	RTE 406
0.511	0.531	PULLOUT	RIGHT	
0.596	0.625	GUARDRAIL	RIGHT	
0.984	0.984	INTERSECTION	RIGHT	RTE 936
1.183	1.183	INTERSECTION	LEFT	RTE 923
1.187	1.236	CURB	LEFT	
1.239	1.239	INTERSECTION	LEFT	RTE 923
1.253	1.253	INTERSECTION	LEFT	RTE 923
1.257	1.306	CURB	LEFT	
1.332	1.332	INTERSECTION	LEFT	RTE 923
1.336	1.336	CULVERT	N/A	
1.360	1.360			ROUTE ENDS AT ROUTE 0923 AND ROUTE 0404
1.362	1.362	INTERSECTION	RIGHT	RTE 404
1.374	1.374	INTERSECTION	LEFT	RTE 923

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0015 : WEST BEACH ENTRY ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0215
0.036	0.036	INTERSECTION	LEFT	RTE 215
0.189	0.189	INTERSECTION	LEFT	RTE 014
0.190	0.190			ROUTE ENDS AT ROUTE 0014

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0207 : GOODFELLOW CAMP ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0218
0.005	0.005	CULVERT	N/A	
0.006	0.006	INTERSECTION	LEFT	RTE 218
0.039	0.039	INTERSECTION	LEFT	RTE 207
0.040	0.040	CULVERT	N/A	
0.065	0.065	INTERSECTION	RIGHT	
0.172	0.172	CULVERT	N/A	
0.303	0.303	INTERSECTION	LEFT	RTE 927D
0.336	0.336	INTERSECTION	RIGHT	
0.380	0.380	INTERSECTION	LEFT	RTE 927C
0.402	0.402	INTERSECTION	RIGHT	RTE 927B
0.433	0.433	INTERSECTION	LEFT	RTE 927A
0.434	0.434	INTERSECTION	RIGHT	RTE 927B
0.440	0.440			ROUTE ENDS AT END OF PAVEMENT AT ROUTE 0927A

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0209 : BEVERLY DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT US 12
0.011	0.011	INTERSECTION	RIGHT	US 12
0.053	0.053	INTERSECTION	LEFT	
0.489	0.489	INTERSECTION	RIGHT	E LAKE PARK AVE
0.497	0.497	CULVERT	N/A	
0.673	0.673	INTERSECTION	LEFT	CAROLINA AVE
0.674	0.674	INTERSECTION	RIGHT	CAROLINA AVE
0.860	0.860	INTERSECTION	RIGHT	RTE 0210
0.864	0.864	INTERSECTION	LEFT	RTE 0210
0.870	0.870	CULVERT	N/A	
0.925	0.925	INTERSECTION	RIGHT	DELAWARE AVE
1.116	1.116	INTERSECTION	RIGHT	IDAHO AVE
1.366	1.366	INTERSECTION	RIGHT	KANSAS AVE
1.800	1.800	INTERSECTION	RIGHT	MONTANA RD
2.150	2.150	INTERSECTION	RIGHT	DREXWOOD RD
2.249	2.249	INTERSECTION	RIGHT	LAKE SHORE COUNTY ROAD
2.352	2.352	INTERSECTION	RIGHT	MERRIVALE RD
2.353	2.353	INTERSECTION	LEFT	LAKE SHORE COUNTY ROAD
2.532	2.532	INTERSECTION	RIGHT	WEST JOHNS AVE
2.795	2.795	INTERSECTION	RIGHT	WELLS RD
2.935	2.935	INTERSECTION	RIGHT	MCCALLISTER RD
3.072	3.072	INTERSECTION	RIGHT	ST CLAIR AVE
3.281	3.281	INTERSECTION	RIGHT	CONSTANCE AVE
3.425	3.425	INTERSECTION	RIGHT	PEARSON AVE
3.509	3.547	CURB	LEFT	
3.511	3.548	CURB	RIGHT	
3.555	3.555	INTERSECTION	LEFT	RTE 0221

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0209 : BEVERLY DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
3.560	3.560	INTERSECTION	RIGHT	RTE 0221
3.575	3.593	CURB	RIGHT	
3.575	3.596	CURB	LEFT	
3.700	3.700	INTERSECTION	RIGHT	EATON AVE
3.824	3.824	INTERSECTION	RIGHT	EAST DERBY AVE
3.833	3.833	INTERSECTION	RIGHT	WEST DERBY AVE
4.097	4.097	INTERSECTION	RIGHT	DURHAM AVE
4.258	4.258	INTERSECTION	RIGHT	BURTON PLACE
4.498	4.498	INTERSECTION	LEFT	
4.686	4.686	CULVERT	N/A	
4.716	4.716	INTERSECTION	LEFT	
4.840	4.840			ROUTE ENDS AT ROUTE 0211
4.842	4.842	INTERSECTION	RIGHT	RTE 211 EAST
4.844	4.844	INTERSECTION	LEFT	RTE 211 EAST

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0210 : CENTRAL AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT US 12 AT MP 843
0.006	0.006	INTERSECTION	RIGHT	US 12
0.009	0.009	INTERSECTION	LEFT	US 12
0.071	0.071	RAILROAD CROSSING	RIGHT	
0.102	0.102	INTERSECTION	LEFT	
0.102	0.102	INTERSECTION	RIGHT	
0.353	0.363	GUARDRAIL	RIGHT	
0.353	0.365	GUARDRAIL	LEFT	
0.356	0.356	CULVERT	N/A	
0.539	0.539	INTERSECTION	LEFT	RTE 209
0.540	0.540	INTERSECTION	RIGHT	RTE 209
0.700	0.700	INTERSECTION	LEFT	
0.768	0.768	INTERSECTION	RIGHT	RTE 234
0.770	0.770	INTERSECTION	LEFT	RTE 915
0.926	0.926	INTERSECTION	LEFT	RTE 912
0.930	0.930			ROUTE ENDS AT BEACH STATE ROUTE 12

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0211 : EAST STATE PARK ROAD (300 EAST ROAD)

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT US 12
0.004	0.004	INTERSECTION	LEFT	US 12
0.005	0.005	INTERSECTION	RIGHT	US 12
0.560	0.560	CULVERT	N/A	
0.577	0.577	INTERSECTION	RIGHT	RTE 0209
0.917	0.917	INTERSECTION	RIGHT	
0.999	0.999	INTERSECTION	RIGHT	RTE 0906
1.047	1.047	INTERSECTION	RIGHT	RTE 0906
1.240	1.240			ROUTE ENDS AT ROUTE 0224

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0212 : KEMIL ROAD (300 EAST ROAD)

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT US 20
0.007	0.007	INTERSECTION	LEFT	US 20
0.015	0.015	INTERSECTION	RIGHT	US 20
0.016	0.016	INTERSECTION	LEFT	RTE 213
0.028	0.028	INTERSECTION	RIGHT	
0.055	0.055	CULVERT	N/A	
0.366	0.366	INTERSECTION	LEFT	
0.591	0.591	CULVERT	N/A	
0.746	0.746	INTERSECTION	LEFT	RTE 904
0.776	0.776	INTERSECTION	LEFT	RTE 904
0.776	0.776	INTERSECTION	RIGHT	RTE 905
0.804	0.804	INTERSECTION	LEFT	US 12
0.812	0.812	INTERSECTION	RIGHT	US 12
0.820	0.820			ROUTE ENDS AT US 12 AT MP 440

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0213 : FURNESSVILLE ROAD (1500 NORTH ROAD)

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0212
0.005	0.005	INTERSECTION	RIGHT	RTE 212
0.009	0.009	INTERSECTION	LEFT	RTE 212
0.064	0.064	INTERSECTION	LEFT	
0.208	0.208	INTERSECTION	LEFT	FURNLEIGH LANE
0.212	0.222	CURB	LEFT	
0.220	0.220	INTERSECTION	RIGHT	
0.248	0.248	INTERSECTION	LEFT	RTE 220
0.289	0.289	INTERSECTION	RIGHT	
0.419	0.419	CULVERT	N/A	
0.505	0.505	INTERSECTION	LEFT	
0.541	0.541	INTERSECTION	RIGHT	RTE 939
0.565	0.565	INTERSECTION	LEFT	
0.628	0.628	INTERSECTION	LEFT	
0.748	0.748	INTERSECTION	RIGHT	RTE 214
1.000	1.000	INTERSECTION	LEFT	
1.497	1.497	INTERSECTION	LEFT	HADENFELT RD
1.534	1.534	INTERSECTION	LEFT	US 12
1.537	1.537	INTERSECTION	RIGHT	US 12
1.550	1.550			ROUTE ENDS AT US12 AT MP 268

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0214 : TEALE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0213
0.006	0.006	INTERSECTION	LEFT	RTE 213
0.008	0.008	INTERSECTION	RIGHT	RTE 213
0.187	0.187	INTERSECTION	LEFT	
0.242	0.242	CULVERT	N/A	
0.370	0.370	INTERSECTION	LEFT	US 12
0.370	0.370	INTERSECTION	RIGHT	US 12
0.380	0.380			ROUTE ENDS AT US12 AT MP 340 ON RIGHT

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0215 : COUNTY LINE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT US 12
0.008	0.008	INTERSECTION	LEFT	US 12
0.009	0.009	INTERSECTION	RIGHT	US 12
0.016	0.016	RAILROAD CROSSING	RIGHT	
0.020	0.020	RAILROAD CROSSING	RIGHT	
0.040	0.040	RAILROAD CROSSING	RIGHT	
0.041	0.041	RAILROAD CROSSING	RIGHT	
0.135	0.135	INTERSECTION	RIGHT	RTE 015
0.166	0.286	GUARDRAIL	LEFT	
0.192	0.290	GUARDRAIL	RIGHT	
0.285	0.317	BRIDGE	N/A	
0.313	0.325	GUARDRAIL	LEFT	
0.320	0.327	GUARDRAIL	RIGHT	
0.333	0.333	INTERSECTION	LEFT	RTE 014 TURN LANES
0.333	0.333	INTERSECTION	RIGHT	RTE 405
0.341	0.341	INTERSECTION	LEFT	RTE 014
0.353	0.353	INTERSECTION	LEFT	RTE 014 TURN LANES
0.433	0.433	INTERSECTION	LEFT	POTTAWATAMIE
0.510	0.510			ROUTE ENDS AT MILLER CITY LIMITS
0.513	0.513	INTERSECTION	LEFT	
0.514	0.544	CURB	LEFT	

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0216 : MINERAL SPRINGS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT US 20
0.005	0.005	INTERSECTION	LEFT	US 20
0.009	0.009	INTERSECTION	RIGHT	US 20
0.076	0.098	GUARDRAIL	RIGHT	
0.107	0.107	INTERSECTION	LEFT	RTE 013
0.112	0.112	INTERSECTION	RIGHT	RTE 908
0.217	0.217	INTERSECTION	LEFT	RTE 206
0.235	0.235	INTERSECTION	RIGHT	
0.434	0.434	INTERSECTION	LEFT	RTE 217
0.435	0.435	CULVERT	N/A	
0.436	0.436	INTERSECTION	RIGHT	RTE 217
0.501	0.501	INTERSECTION	LEFT	RTE 919
0.623	0.623	INTERSECTION	LEFT	RTE 918
0.829	0.829	INTERSECTION	LEFT	US 12
0.835	0.835	INTERSECTION	RIGHT	US 12
0.850	0.850			ROUTE ENDS AT US 12

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0217 : OAK HILL ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT WAGNER ROAD
0.006	0.006	INTERSECTION	LEFT	WAGNER ROAD
0.006	0.006	INTERSECTION	RIGHT	WAGNER ROAD
0.037	0.037	CULVERT	N/A	
0.038	0.047	GUARDRAIL	RIGHT	
0.039	0.055	GUARDRAIL	LEFT	
0.405	0.405	INTERSECTION	LEFT	DRIVEWAY-UNPAVED
0.428	0.445	GUARDRAIL	RIGHT	
0.433	0.433	CULVERT	N/A	
0.433	0.450	GUARDRAIL	LEFT	
0.503	0.503	INTERSECTION	LEFT	RTE 216
0.503	0.503	INTERSECTION	RIGHT	RTE 216
0.627	0.627	INTERSECTION	LEFT	
0.699	0.710	GUARDRAIL	LEFT	
0.700	0.700	CULVERT	N/A	
0.784	0.784	INTERSECTION	RIGHT	RTE 208
0.997	0.997	INTERSECTION	LEFT	RTE 218
1.016	1.016	CULVERT	N/A	
1.056	1.056	INTERSECTION	LEFT	
1.271	1.271	CULVERT	N/A	
1.297	1.297	CULVERT	N/A	
1.507	1.507	INTERSECTION	RIGHT	US 12
1.510	1.510			ROUTE ENDS AT US 12

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0218 : HOWE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0217
0.006	0.006	INTERSECTION	LEFT	RTE 217
0.007	0.007	INTERSECTION	RIGHT	RTE 217
0.161	0.161	CULVERT	N/A	
0.182	0.182	CULVERT	N/A	
0.204	0.204	INTERSECTION	RIGHT	
0.252	0.252	CULVERT	N/A	
0.286	0.286	INTERSECTION	LEFT	
0.292	0.292	DROP INLET	RIGHT	
0.300	0.300	INTERSECTION	RIGHT	RTE 207
0.346	0.385	GUARDRAIL	RIGHT	
0.460	0.460	CULVERT	N/A	
0.508	0.508	INTERSECTION	LEFT	
0.510	0.525	BRIDGE	N/A	
0.511	0.528	GUARDRAIL	LEFT	
0.512	0.526	CURB	RIGHT	
0.512	0.527	GUARDRAIL	RIGHT	
0.513	0.527	CURB	LEFT	
0.532	0.532	INTERSECTION	RIGHT	RTE 948
0.618	0.618	INTERSECTION	RIGHT	
0.645	0.645	CULVERT	N/A	
0.727	0.727	INTERSECTION	RIGHT	
0.730	0.730			ROUTE ENDS AT US 20

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0219 : DUNEWOOD AMPETHEATER ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT INTERSECTION OF US 12 AND ROUTE 0221
0.007	0.007	INTERSECTION	LEFT	INTERSECTION OF US 12 & RTE 221
0.007	0.007	INTERSECTION	RIGHT	INTERSECTION OF US 12 & RTE 221
0.033	0.033	INTERSECTION	LEFT	
0.057	0.057	INTERSECTION	RIGHT	RTE 409
0.123	0.123	INTERSECTION	LEFT	YACHT BRITE PARKING
0.124	0.124	INTERSECTION	RIGHT	RTE 222
0.131	0.131	INTERSECTION	RIGHT	
0.187	0.187	INTERSECTION	LEFT	
0.188	0.188	INTERSECTION	RIGHT	RTE 935
0.203	0.203	INTERSECTION	RIGHT	
0.220	0.220			ROUTE ENDS AT ROUTE 0935

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0220 : SCHOOL HOUSE ROAD (275 E)

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0213
0.012	0.012	INTERSECTION	RIGHT	RTE 213
0.016	0.016	INTERSECTION	LEFT	RTE 213
0.019	0.019	INTERSECTION	LEFT	RTE 949
0.173	0.173	INTERSECTION	RIGHT	RTE 917
0.205	0.205	CULVERT	N/A	
0.213	0.213	INTERSECTION	LEFT	US 20
0.217	0.217	INTERSECTION	RIGHT	US 20
0.220	0.220			ROUTE ENDS AT ROUTE 0020

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0221 : BROADWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT US 12
0.007	0.007	INTERSECTION	LEFT	US 12
0.008	0.008	INTERSECTION	RIGHT	US 12
0.027	0.027	RAILROAD CROSSING	RIGHT	1 SET
0.073	0.073	INTERSECTION	LEFT	SERVICE AVENUE
0.075	0.075	INTERSECTION	RIGHT	SOUTH SHORE RR
0.092	0.092	INTERSECTION	LEFT	FIRE STATION
0.367	0.367	INTERSECTION	RIGHT	RTE 238
0.472	0.520	CURB	LEFT	
0.496	0.496	CULVERT	N/A	
0.529	0.529	INTERSECTION	RIGHT	RTE 209
0.531	0.531	INTERSECTION	LEFT	RTE 209
0.548	0.597	CURB	LEFT	
0.600	0.600	INTERSECTION	LEFT	BELLVUE AVE
0.691	0.691	INTERSECTION	LEFT	MARNE AVE
0.710	0.710	INTERSECTION	RIGHT	PRIVATE PARKING
0.746	0.746	INTERSECTION	LEFT	RIPPLEWATER
0.748	0.748	INTERSECTION	RIGHT	RIPPLEWATER
0.821	0.821	INTERSECTION	LEFT	STILLWATER
0.822	0.822	INTERSECTION	RIGHT	STILLWATER
0.879	0.879	INTERSECTION	RIGHT	ATWATER AVE
0.881	0.881	INTERSECTION	LEFT	ATWATER AVE
0.937	0.937	INTERSECTION	LEFT	LEEWATER
0.939	0.939	INTERSECTION	RIGHT	LEEWATER
0.980	1.001	CURB	LEFT	
0.999	0.999	INTERSECTION	RIGHT	FAIRWATER
1.006	1.006	INTERSECTION	LEFT	FAIRWATER

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0221 : BROADWAY

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.041	1.041	INTERSECTION	LEFT	
1.079	1.079	INTERSECTION	LEFT	RTE 224
1.079	1.079	INTERSECTION	RIGHT	RTE 224
1.080	1.080			ROUTE ENDS AT TOWN PLAZA AT ROUTE 0224

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0222 : DUNEWOOD / MATHER CAMPGROUND ACCESS RD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0219
0.002	0.002	INTERSECTION	RIGHT	RTE 219
0.002	0.002	INTERSECTION	LEFT	RTE 219
0.008	0.008	INTERSECTION	LEFT	
0.024	0.024	INTERSECTION	RIGHT	RTE 900
0.050	0.050	INTERSECTION	RIGHT	RTE 223
0.051	0.051	INTERSECTION	LEFT	RTE 223
0.196	0.196	INTERSECTION	LEFT	RTE 237
0.271	0.271	CULVERT	N/A	
0.281	0.281	INTERSECTION	LEFT	RTE 410
0.342	0.342	INTERSECTION	LEFT	
0.350	0.350			ROUTE ENDS AT ROUTE 0238
0.356	0.356	INTERSECTION	RIGHT	RTE 238

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0223 : DUNEWOOD RV DUMP STATION ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0222
0.006	0.006	INTERSECTION	RIGHT	RTE 222
0.026	0.026	INTERSECTION	RIGHT	RTE 900
0.048	0.048	INTERSECTION	RIGHT	RTE 902
0.176	0.176	INTERSECTION	LEFT	RTE 901
0.220	0.220			ROUTE ENDS AT END
0.223	0.223	INTERSECTION	LEFT	END OF LOOP

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0224 : LAKE FRONT DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT END OF ROUTE
0.207	0.207	INTERSECTION	RIGHT	WINDSOR
0.212	0.221	CURB	LEFT	
0.399	0.399	INTERSECTION	RIGHT	DUNBAR
0.431	0.431	INTERSECTION	LEFT	RTE 0914
0.490	0.549	RETAINING WALL	RIGHT	
0.597	0.626	PULLOUT	LEFT	
0.598	0.630	CURB	LEFT	
0.612	0.612	INTERSECTION	RIGHT	
0.686	0.686	INTERSECTION	RIGHT	
0.781	0.781	INTERSECTION	LEFT	RTE 0913
0.794	0.822	CURB	LEFT	
0.852	0.852	INTERSECTION	LEFT	TOWN PLAZA PARKING
0.857	0.921	CURB	LEFT	
0.860	0.883	CURB	RIGHT	
0.886	0.886	INTERSECTION	RIGHT	RTE 0221
0.903	0.926	CURB	RIGHT	
0.925	0.925	INTERSECTION	LEFT	TOWN PLAZA PARKING
1.005	1.005	INTERSECTION	RIGHT	GREATWATER
1.167	1.190	CURB	LEFT	
1.209	1.209	INTERSECTION	RIGHT	CRESTLANE
1.248	1.248	INTERSECTION	RIGHT	
1.332	1.332	INTERSECTION	RIGHT	SHORE AVE
1.332	1.362	PULLOUT	LEFT	
1.334	1.334	CULVERT	N/A	
1.340	1.361	CURB	LEFT	
1.443	1.459	CURB	LEFT	

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0224 : LAKE FRONT DRIVE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
1.607	1.607	INTERSECTION	RIGHT	UNDERWOOD AVE
1.617	1.678	CURB	LEFT	
1.663	1.684	PULLOUT	LEFT	
1.773	1.773	INTERSECTION	RIGHT	MERRIVALE AVE
1.828	1.854	PULLOUT	LEFT	
1.829	1.855	CURB	LEFT	
1.888	1.888	CULVERT	N/A	
1.995	2.025	PULLOUT	LEFT	
2.004	2.015	CURB	LEFT	
2.023	2.023	INTERSECTION	RIGHT	BEACH AVE
2.090	2.090	INTERSECTION	RIGHT	HUTCHINSON AVE
2.186	2.186	CULVERT	N/A	
2.251	2.262	CURB	LEFT	
2.255	2.255	INTERSECTION	RIGHT	LAKE SHORE COUNTY ROAD
2.268	2.281	CURB	LEFT	
2.459	2.459	INTERSECTION	RIGHT	DREXWOOD AVENUE
2.668	2.681	PULLOUT	LEFT	
2.671	2.675	CURB	LEFT	
2.749	2.749	INTERSECTION	RIGHT	DRAKE AVENUE
2.760	2.760			ROUTE ENDS AT END

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0225 : TREMONT AVENUE

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT SOUTH PARK BOUNDARY
0.043	0.043	CULVERT	N/A	
0.192	0.192	INTERSECTION	RIGHT	HAWLEYWOOD
0.255	0.255	CULVERT	N/A	
0.510	0.510	INTERSECTION	RIGHT	POTTAWATOMIE RD
0.578	0.578	INTERSECTION	LEFT	
0.654	0.654	INTERSECTION	LEFT	US 12
0.654	0.654	INTERSECTION	RIGHT	US 12
0.707	0.707	INTERSECTION	RIGHT	
0.710	0.710	INTERSECTION	LEFT	
0.819	0.819	INTERSECTION	RIGHT	
0.820	0.820			ROUTE ENDS AT ROUTE 0226

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0226 : SOUTH STATE PARK ROAD (1500 NORTH ROAD)

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT WAVERLY ROAD
0.012	0.012	INTERSECTION	LEFT	WAVERLY RD
0.012	0.012	INTERSECTION	RIGHT	WAVERLY RD
0.100	0.100	INTERSECTION	LEFT	
0.150	0.150	INTERSECTION	LEFT	
0.244	0.244	INTERSECTION	LEFT	
0.276	0.276	INTERSECTION	LEFT	
0.340	0.340	INTERSECTION	LEFT	
0.491	0.491	CULVERT	N/A	
0.618	0.618	INTERSECTION	LEFT	
0.729	0.729	INTERSECTION	LEFT	STATE RD 49
0.731	0.731	INTERSECTION	RIGHT	STATE RD 49
0.923	0.923	CULVERT	N/A	
0.983	0.983	CULVERT	N/A	
0.984	0.984	INTERSECTION	RIGHT	RTE 225
0.985	0.985	INTERSECTION	LEFT	RTE 225
0.990	0.990			ROUTE ENDS AT END OF ROUTE 0225 AND RR TRACKS

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0237 : DOUGLAS CAMPGROUND LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0222
0.012	0.012	INTERSECTION	RIGHT	RTE 0222
0.016	0.016	INTERSECTION	LEFT	RTE 0222
0.019	0.019	INTERSECTION	LEFT	RTE 0237, END OF LOOP
0.173	0.173	INTERSECTION	RIGHT	RTE 0903
0.313	0.313	INTERSECTION	LEFT	RTE 0222, END OF LOOP
0.320	0.320			ROUTE ENDS AT END OF LOOP

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0238 : MATHER CAMPGROUND LOOP

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT END OF ROUTE
0.004	0.004	INTERSECTION	LEFT	END OF ROUTE 0222
0.316	0.333	PULLOUT	LEFT	
0.339	0.354	PULLOUT	RIGHT	
0.403	0.403	INTERSECTION	RIGHT	END OF LOOP
0.406	0.406	INTERSECTION	LEFT	END OF LOOP
0.410	0.410			ROUTE ENDS AT END OF LOOP

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0404 : SERVICE ACCESS ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT END OF ROUTE
0.006	0.006	INTERSECTION	LEFT	END OF RTE 0014
0.006	0.006	INTERSECTION	RIGHT	END OF RTE 0014
0.039	0.039	INTERSECTION	LEFT	
0.183	0.183	INTERSECTION	LEFT	RTE 404, END OF LOOP
0.315	0.315	INTERSECTION	LEFT	RTE 404, END OF LOOP
0.320	0.320			ROUTE ENDS AT END OF LOOP
0.320	0.320	INTERSECTION	RIGHT	RTE 404, END OF LOOP

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0405 : WEST BEACH WEST MAINTENANCE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0215
0.008	0.008	INTERSECTION	RIGHT	RTE 215
0.010	0.010	INTERSECTION	LEFT	RTE 215
0.011	0.024	GUARDRAIL	RIGHT	
0.105	0.105	INTERSECTION	LEFT	RTE 943
0.128	0.128	INTERSECTION	RIGHT	RTE 925
0.172	0.172	INTERSECTION	RIGHT	RTE 925
0.177	0.177	INTERSECTION	LEFT	
0.180	0.180			ROUTE ENDS AT END AT ROUTE 0925 ON RIGHT

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0406 : WEST BEACH SERVICE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0014
0.007	0.007	INTERSECTION	RIGHT	RTE 014
0.009	0.009	INTERSECTION	LEFT	RTE 014
0.049	0.049	INTERSECTION	RIGHT	RTE 944
0.120	0.120			ROUTE ENDS AT ROUTE 0925
0.125	0.125	INTERSECTION	LEFT	RTE 925

INDU: ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 0410 : DUNEWOOD SERVICE ROAD

FROM MILEPOST	TO MILEPOST	FEATURE	SIDE	COMMENT
0.000	0.000			ROUTE BEGINS AT ROUTE 0222
0.005	0.005	INTERSECTION	LEFT	RTE 0222
0.008	0.008	INTERSECTION	RIGHT	RTE 0222
0.100	0.100			ROUTE ENDS AT END

APPENDIX A: GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR ABBREVIATION	DESCRIPTION OR DEFINITION
6300	Numeric Code for Indiana Dunes National Lakeshore
AADT	Annually Adjusted Daily Traffic. Average daily traffic adjusted for the term period comprising 80% of annual visitation
CRS	Condition Rating Sheets. (Section 5)
Drainage Condition Rating	A visual rating (Good, Poor) of the drainage condition. (see Section 10)
Excellent	Excellent rating with an index value of 95 or greater
Fair	Fair rating with an index value between 61 and 84
Func. Class	Functional Classification (see Route ID, Section 4)
Good	Good rating with an index value between 85 and 94
INDU	Alpha Code for Indiana Dunes National Lakeshore
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 3 Shapefile Metadata

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

All shapefiles have the following spatial characteristics:

Geographic_Coordinate_Units: Decimal degrees
Spheroid: WGS 1984

indu_pkg_03

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: indu_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: 10/8/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -87.270339
East_Bounding_Coordinate: -86.927620
North_Bounding_Coordinate: 41.707161
South_Bounding_Coordinate: 41.605984
Keywords:
Theme:
Theme_Keyword_Thesaurus: INDU
Theme_Keyword: INDU
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: 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: indu_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: 20060119
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 Jan 19 08:51:44 2006

indu_pkg_03_map

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: indu_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: 10/8/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -87.270137
East_Bounding_Coordinate: -86.927728
North_Bounding_Coordinate: 41.707070
South_Bounding_Coordinate: 41.605955
Keywords:
Theme:
Theme_Keyword_Thesaurus: INDU
Theme_Keyword: INDU
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: 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: indu_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: 20060119
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 Jan 19 08:51:32 2006

indu_nonnps

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: indu_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: -87.268524
East_Bounding_Coordinate: -87.069320
North_Bounding_Coordinate: 41.660596
South_Bounding_Coordinate: 41.601348
Keywords:
Theme:
Theme_Keyword_Thesaurus: INDU
Theme_Keyword: INDU
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: 5

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

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

Metadata_Reference_Information:
Metadata_Date: 20060119
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 Jan 19 08:50:46 2006

indu_mrp_03

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: indu_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: 10/10/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -86.985748
East_Bounding_Coordinate: -86.985040
North_Bounding_Coordinate: 41.671869
South_Bounding_Coordinate: 41.671323
Keywords:
Theme:
Theme_Keyword_Thesaurus: INDU
Theme_Keyword: INDU
Access_Constraints: None
Use_Constraints: None
Point_of_Contact:
Contact_Information:

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

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

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

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

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: indu_mrp_03
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: PARK_ALPHA
Attribute_Definition: Park alpha code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NO
Attribute_Definition: Route Number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NAME
Attribute_Definition: Route Name
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: FEATURE
Attribute_Definition: Route section ID
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute:
Attribute_Label: CONDITION
Attribute_Definition: Condition rating
Attribute:
Attribute_Label: PHOTOS
Attribute_Definition: Field comment
Attribute:
Attribute_Label: COMMENT
Attribute_Definition: Date of GPS collection
Attribute:
Attribute_Label: GPS_DATE
Attribute:
Attribute_Label: DATAFILE
Attribute_Definition: Area of manually rated road in squre feet
Attribute:
Attribute_Label: SQ_FT

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

Metadata_Reference_Information:
Metadata_Date: 20060119
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 Jan 19 08:52:20 2006

indu_mrp_03_map

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Unknown
Title: indu_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: 10/10/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -86.985758
East_Bounding_Coordinate: -86.985049
North_Bounding_Coordinate: 41.671853
South_Bounding_Coordinate: 41.671307
Keywords:
Theme:
Theme_Keyword_Thesaurus: INDU
Theme_Keyword: INDU
Access_Constraints: None
Use_Constraints: None
Point_of_Contact:
Contact_Information:

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

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

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

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

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: indu_mrp_03_map
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: PARK_ALPHA
Attribute_Definition: Park alpha code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NO
Attribute_Definition: Route Number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NAME
Attribute_Definition: Route Name
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: FEATURE
Attribute_Definition: Route section ID
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Surface type of route
Attribute:
Attribute_Label: CONDITION
Attribute_Definition: Condition rating
Attribute:
Attribute_Label: PHOTOS
Attribute_Definition: Field comment
Attribute:
Attribute_Label: COMMENT
Attribute_Definition: Date of GPS collection
Attribute:
Attribute_Label: GPS_DATE
Attribute:
Attribute_Label: DATAFILE
Attribute_Definition: Area of manually rated road in squre feet
Attribute:
Attribute_Label: SQ_FT

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

Metadata_Reference_Information:
Metadata_Date: 20060119
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 Jan 19 08:52:08 2006

indu_mrl_03

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Published Materials
Title: indu_mrl_03
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Manually Rated Roads - Lines
Purpose: Road Inventory Program
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 10/12/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -87.092190
East_Bounding_Coordinate: -87.092180
North_Bounding_Coordinate: 41.630742
South_Bounding_Coordinate: 41.629643
Keywords:
Theme:
Theme_Keyword_Thesaurus: INDU
Theme_Keyword: INDU
Access_Constraints: None
Use_Constraints: Redistribution needs permission from EFLHD/NPS
Point_of_Contact:
Contact_Information:

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

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

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

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

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: indu_mrl_03
Entity_Type_Definition_Source: GPS
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Enumerated_Domain:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: COMMENT
Attribute_Definition: Park alpha code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: PARK_ALPHA
Attribute_Definition: Route Number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NO
Attribute_Definition: Route Name
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NAME
Attribute_Definition: Route Section ID
Attribute_Definition_Source: Route ID Meeting / ARAN Data Collection
Attribute:
Attribute_Label: SECTION_
Attribute_Definition: Surface type of route
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Condition rating
Attribute_Domain_Values:
Attribute:
Attribute_Label: CONDITION
Attribute_Definition: Field comment
Attribute:
Attribute_Label: GPS_DATE
Attribute_Definition: Date of GPS Collection
Attribute:
Attribute_Label: DATAFILE

Attribute:
Attribute_Label: PAVED_MI
Attribute_Definition: Width of the paved area
Attribute:
Attribute_Label: PAVED_MI
Attribute_Definition: Calculated paved miles

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.037

Metadata_Reference_Information:
Metadata_Date: 20060119
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 Jan 19 08:52:53 2006

indu_mrl_03_map

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: Eastern Federal Lands Highway Division
Publication_Date: Published Materials
Title: indu_mrl_03_map
Geospatial_Data_Presentation_Form: vector digital data
Online_Linkage: Not Available
Description:
Abstract: Copy of Manually Rated Roads - Lines
Purpose: Road Inventory Program
Supplemental_Information:
This shapefile is a copy of the source manually rated lines shapefile. The features are edited as needed for graphic purposes.
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 10/12/1999
Currentness_Reference: ground condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As per RIP cycle
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -87.092194
East_Bounding_Coordinate: -87.092184
North_Bounding_Coordinate: 41.630783
South_Bounding_Coordinate: 41.629684
Keywords:
Theme:
Theme_Keyword_Thesaurus: INDU
Theme_Keyword: INDU
Access_Constraints: None

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

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

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

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

Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: indu_mrl_03_map
Entity_Type_Definition_Source: GPS
Attribute:
Attribute_Label: FID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Enumerated_Domain:
Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
Attribute:
Attribute_Label: COMMENT
Attribute_Definition: Park alpha code
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: PARK_ALPHA
Attribute_Definition: Route Number
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NO
Attribute_Definition: Route Name
Attribute_Definition_Source: Route ID Meeting
Attribute:
Attribute_Label: RTE_NAME
Attribute_Definition: Route Section ID
Attribute_Definition_Source: Route ID Meeting / ARAN Data Collection
Attribute:
Attribute_Label: SECTION_
Attribute_Definition: Surface type of route
Attribute_Definition_Source: ARAN Data Collection
Attribute:
Attribute_Label: SURF_TYPE
Attribute_Definition: Condition rating
Attribute_Domain_Values:
Attribute:
Attribute_Label: CONDITION
Attribute_Definition: Field comment
Attribute:

Attribute_Label: GPS_DATE
Attribute_Definition: Date of GPS Collection
Attribute:
Attribute_Label: DATAFILE
Attribute:
Attribute_Label: PAVED_MI
Attribute_Definition: Width of the paved area
Attribute:
Attribute_Label: PAVED_MI
Attribute_Definition: Calculated paved miles

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.037

Metadata_Reference_Information:
Metadata_Date: 20060119
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 Jan 19 08:52:38 2006

indu_mi_pt

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: indu_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: -87.222687
East_Bounding_Coordinate: -86.931030
North_Bounding_Coordinate: 41.705532
South_Bounding_Coordinate: 41.609859
Keywords:
Theme:
Theme_Keyword_Thesaurus: INDU
Theme_Keyword: INDU
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: 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: indu_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: 20060119
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 Jan 19 08:50:58 2006

indu_mi

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: indu_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: -87.224579
East_Bounding_Coordinate: -86.929878
North_Bounding_Coordinate: 41.706711
South_Bounding_Coordinate: 41.609859
Keywords:
Theme:
Theme_Keyword_Thesaurus: INDU
Theme_Keyword: INDU

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: 37

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

Semi-major_Axis: 6378206.400000
Denominator_of_Flattening_Ratio: 294.978698

Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Entity_Type_Label: indu_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: INDU_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: INDU_MI_ID
Attribute_Definition: Indicates whether feature has been edited for graphic purposes.
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: Edit has been made to feature for graphic purposes
Enumerated_Domain:
Enumerated_Domain_Value: 0
Enumerated_Domain_Value_Definition: No edit made to feature.
Attribute:
Attribute_Label: ID
Attribute:
Attribute_Label: RTE_NO
Attribute:
Attribute_Label: BMP
Attribute:
Attribute_Label: EMP
Attribute:
Attribute_Label: PCR
Attribute:
Attribute_Label: PCR_RATE
Attribute:
Attribute_Label: RT_LENGTH
Attribute:
Attribute_Label: PCRMI
Attribute:
Attribute_Label: PCR_RATEMI
Attribute:
Attribute_Label: PCR_RATEAV
Attribute:
Attribute_Label: PCRAV
Attribute:
Attribute_Label: TSR_EDIT

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

Transfer_Size: 0.016

Metadata_Reference_Information:
Metadata_Date: 20060119
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Thu Jan 19 08:51:10 2006

indu_seg

Metadata also available as

Metadata:

Identification_Information:
Citation:
Citation_Information:
Originator: The TSR Group
Publication_Date: 2005
Title: indu_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: -87.224579
East_Bounding_Coordinate: -86.929878
North_Bounding_Coordinate: 41.706711
South_Bounding_Coordinate: 41.610149
Keywords:
Theme:
Theme_Keyword_Thesaurus: INDU
Theme_Keyword: INDU

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

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

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Vector
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: String
Point_and_Vector_Object_Count: 138

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: indu_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: INDU_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: INDU_SEG_I
Attribute_Definition: Indicates whether feature has been edited for graphic purposes.
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: Edit has been made to feature for graphic purposes
Enumerated_Domain:
Enumerated_Domain_Value: 0
Enumerated_Domain_Value_Definition: No edit made to feature.

Attribute:
Attribute_Label: ID

Attribute:
Attribute_Label: RTE_NO

Attribute:
Attribute_Label: BMP

Attribute:
Attribute_Label: EMP

Attribute:
Attribute_Label: PCR

Attribute:
Attribute_Label: PCR_RATE

Attribute:
Attribute_Label: RT_LENGTH

Attribute:
Attribute_Label: PCRMI

Attribute:
Attribute_Label: PCR_RATEMI

Attribute:
Attribute_Label: PCR_RATEAV

Attribute:
Attribute_Label: PCRAV

Attribute:
Attribute_Label: TSR_EDIT

Distribution_Information:
Resource_Description: Downloadable Data
Standard_Order_Process:

Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 0.016

Metadata_Reference_Information:
Metadata_Date: 20060119
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: EFLHD Sterling
Contact_Person: Dan VanGilder
Contact_Position: GIS Coordinator
Contact_Address:
Address_Type: mailing and physical address
City: Sterling
State_or_Province: Virginia
Postal_Code: 20166
Country: United States
Contact_Voice_Telephone: 703-404-6361
Contact_Electronic_Mail_Address: dvangilder@fhwa.dot.gov
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>
Profile_Name: ESRI Metadata Profile

Generated by mp version 2.7.33 on Thu Jan 19 08:50:35 2006