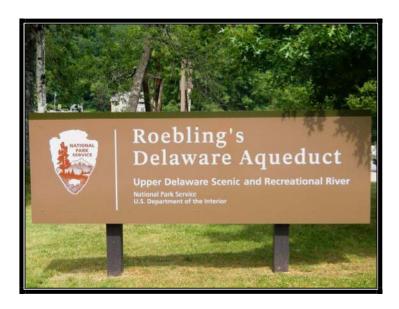


Road Inventory and Condition Assessment



Upper Delaware Scenic and Recreational River UPDE - 4870

Cycle 5 Report

Prepared By: Federal Highway Administration

Road Inventory Program (RIP)

Data Collected: 06/2012 Report Date: 10/2012

Upper Delaware Scenic and Recreational River in New York and Pennsylvania

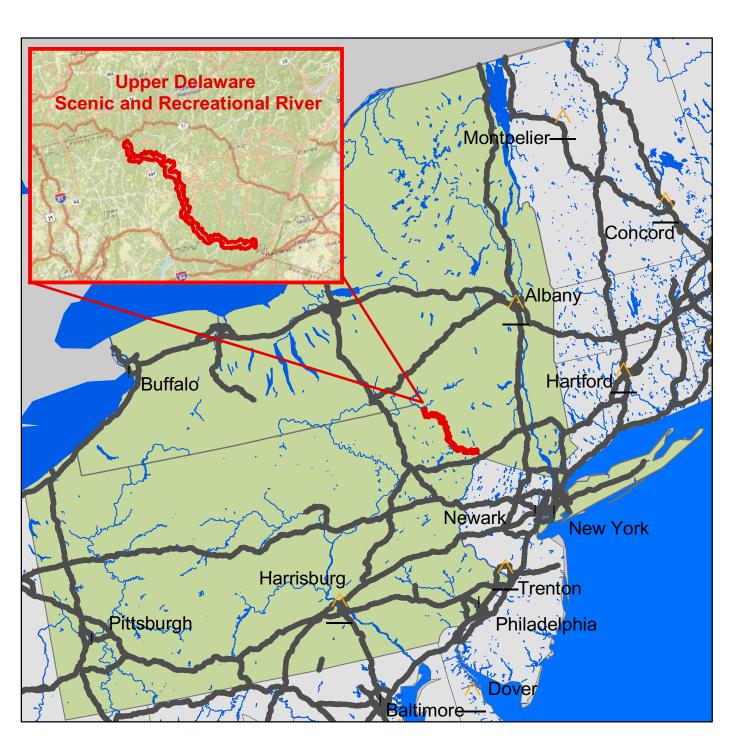




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Section 1 Introduction



Upper Delaware Scenic and Recreational River



INTRODUCTION

The Federal Highway Administration, (FHWA), in the mid 1970s, was charged with the task of identifying surface condition deficiencies and corrective priorities on National Park Service (NPS) roads and parkways. Additionally, FHWA was tasked with establishing an integrated maintenance features inventory, locating features such as culverts, guardrails, and signs, among others, along NPS roads and parkways. As a result, in 1976 the NPS and FHWA entered into an MOA (Memorandum Of Agreement) which established the RIP (Road Inventory Program). This MOA was terminated and revised in 1980 to establish a new MOA aiming to update RIP data and develop a long-range program to improve and maintain NPS roads to designated condition standards and establish a maintenance management program.

The FHWA completed this initial phase of the RIP in the early 1980s. As a result of this effort, each NPS site included in the study received a RIP Report known as the "Brown Book" which included the information collected during this first RIP phase.

In the 1990s, the effort was again renewed to update and maintain the RIP data. By this time the computer age was upon us and a process was employed that relied heavily on electronic data collection and computer technology. A cyclical program was developed and the RIP completed two cycles of data collection from 1994 to 2001. Cycle 1, starting in 1994, was conducted in 44 "large parks" (parks containing 10 or more paved route miles). Cycle 2 began in 1997 and comprised 79 large parks and 5 small parks totaling 4,874 paved route miles. Each of these parks received a RIP Report known as the "Blue Book". Cycle 3, from 2001 to 2004, was conducted in all parks, large and small, that contained any paved routes, including parking areas and, again, each park received a RIP Report and associated electronic files.

Cycle 4 was initiated in the spring of 2006 covering 86 large parks and several associated small parks consisting of 5,553 paved route miles and 6,232 paved parking areas. Data collection has been completed for Cycle 4 and all data has been delivered to the NPS.

In 2005, the FHWA began implementing the use of a Pavement Management System (PMS) to assist the NPS in prioritizing Pavement Maintenance and Rehabilitation activities. The PMS used by FHWA is the Highway Pavement Management Application (HPMA) and this software has the ability to store inventory and condition data from RIP and forecast future performance using prediction models. Outputs include performance and condition reports at the National, Regional, Park, or Route level. A regional prioritized list and optimization have been produced for most regions and the Federal Highway Deferred Maintenance is calculated via the HPMA.

In an effort to improve the accuracy of treatment recommendations and pavement condition descriptions, an extensive study was completed throughout 2010 that has resulted in changes to the RIP condition reporting method, specifically the distresses and indexes that comprise the Pavement Condition Rating (PCR). It was determined that a better representation of PCR could

be achieved by modifying the relative impact certain distresses would have on the overall rating. The changes that were implemented were endorsed by management at both the FHWA and NPS in October 2010. These changes will allow greater use of RIP and HPMA data for not simply condition data reporting, but also as a reliable tool for project identification and selection. Because of these changes, the PCR Condition ratings reported in Cycle 5 do not directly relate to the condition ratings reported in previous cycle RIP Reports. For more detailed information about the changes, see Section 3 and Section 10 in this RIP Report.

Cycle 5 has launched in the summer of 2010 and will again comprise all parks, large and small, that are served by paved roads and/or parking areas. For Cycle 5, the decision was made to collect condition data in large parks on Functional Class 1, 2, and 7 paved routes only, as well as any new routes that were previously not collected. In small parks, all paved routes and parking areas will be collected. As a result, this will include 81 large parks with 4,459 paved route miles and 168 small parks with 529 paved route miles and associated paved parking areas.

Since 1984, the Road Inventory Program has been funded through the Federal Lands Highway Park Roads and Parkways (PRP) Program. Currently, coordination of the RIP with FLH is under the NPS Washington Headquarters Park Facility Management Division. 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) requiring the FHWA and NPS, to develop by rule, a Pavement Management System (PMS) applied to park roads and parkways serving the National Park System.

FLH is responsible for the accuracy of all data presented in this report. Any questions or comments concerning the contents of this report should be directed to the national RIP Coordinator located in Sterling, Virginia.

Respectfully,

FHWA RIP Team

FHWA/Eastern Federal Lands 21400 Ridgetop Circle Sterling, VA 20166 (703) 404-6371 FHWA/Central Federal Lands 12300 West Dakota Ave Lakewood, CO 80228 (720) 963-3560

Section 2 Park Route Inventory



Upper Delaware Scenic and Recreational River



Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 10/17/2012

(Numerical By Route #)

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven Black = State, Local or Private non-NPS Routes

= Concession Route Flag ON

*Unpaved route data was obtained from NPS and was not inventoried by the Road Inventory Program (RIP).

** DCV - Data Collection Vehicle NC - Not Collected

UPDE

Shading Color Key: Red text denotes

approx. mileage

UPPER DELAWARE SCENIC AND RECREATIONAL RIVER

Rte. No.	Cycle Collected	FMSS No.	Concess Route	Route Name	Route De From	scription To	Maint. District	Paved Miles	Un- Paved Miles	Total Route Length	Func. Class	Manual Rated SQ/FT	Surf. Type	Area Maps
0010	5	45566		ROEBLING BRIDGE ROAD	FROM NEW YORK STATE HIGHWAY 97	TO SCENIC DRIVE (PA)	HISTORIC DISTRICT	0.19	0.00	0.19	1	17,094	со	3
0400	NC	45584		CORWIN ENTRANCE DRIVE	FROM NEW YORK STATE HIGHWAY 97	TO END	SOUTH DISTRICT	0.00	0.05	0.05	6		GR	
0401	NC	81075		MARGOLD BOAT BARN DRIVE	FROM SCENIC DRIVE	TO END	HISTORIC DISTRICT	0.00	0.02	0.02	6		GR	
0402	NC	67998		ZANE GREY ENTRANCE DRIVE	FROM SCENIC DRIVE	TO END	HISTORIC DISTRICT	0.00	0.05	0.05	2		GR	
0900	5	68616		MAINTENANCE HEADQUARTERS	FROM RIVER ROAD	TO PARKING	HEAQUARTERS DISTRICT	0.00	0.00	0.00		23,421	AS	2
0901	5	104737		NORTH DISTRICT RANGER OFFICE	FROM RIVER ROAD	TO RIVER ROAD	NORTH DISTRICT	0.00	0.00	0.00		6,367	AS	1
0902	NC	81073		NORTH DISTRICT RANGER OFFICE MAINTENANCE AREA	FROM RIVER ROAD	TO MAINTENANCE AREA	NORTH DISTRICT	0.00	0.00	0.00		8,720	GR	
0903	5	68563		MINISINK FORD PARKING LOT	FROM NEW YORK STATE HIGHWAY 97	TO PARKING	HISTORIC DISTRICT	0.00	0.00	0.00		6,024	AS	3
0904	5	68038		LACKAWAXEN PARKING LOT	FROM ROUTE 0010 (ROEBLING BRIDGE ROAD)	TO PARKING	HISTORIC DISTRICT	0.00	0.00	0.00		7,732	AS	3
0905ZZ	5	102623		LACKAWAXEN MAINTENANCE OFFICE UPPER AND LOWER DRIVEWAYS	FROM ACCESS ROAD	TO PARKING	HISTORIC DISTRICT	0.00	0.00	0.00		3,741	со	3

Page 1 of 3

Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 10/16/2012

(Numerical By Route #)

Shading Color Key: Red text denotes approx. mileage White = Paved Routes, DCV Driven Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

= C

= Concession Route Flag ON

*Unpaved route data was obtained from NPS and was not inventoried by the Road Inventory Program (RIP).

** DCV - Data Collection Vehicle NC - Not Collected

CYCLE 5 SUMMARY TOTALS FOR UPPER DELAWARE SCENIC AND RECREATIONAL RIVER **CYCLE 5 ROUTE TOTALS CYCLE 5 CONCESSION TOTALS** 0.00 **DCV Driven Route Miles** 0.00 **Concession Paved Route Miles Manually Rated Route Miles** 0.19 **Concession Unpaved Route Miles** 0.00TOTAL PARK ROUTE MILES COLLECTED IN CYCLE 5 TOTAL CONCESSION ROUTE MILES 0.00 0.19 Manually Rated Routes (SQFT) 0.00 0 Concession Paved Parking Area SQFT 0.12 **TOTAL UNPAVED PARK ROUTE MILES** Concession Unpaved Parking Area SQFT 0 TOTAL CONCESSION PARKING AREA SQFT 0 Concession Manually Rated Rotes SQFT 0 CYCLE 5 PARKING AREA TOTALS CYCLE 5 WEIGHTED AVERAGE PARK VALUES N/A DCV Driven PCR Paved Parking (SQFT) 47,285 Unpaved Parking (SQFT) 8,720 **Manually Rated Routes PCR 90 TOTAL PARKING (SQFT) 56,005 **Parking PCR 76 ***Total Equivalent Lane Miles 1.11

Page 2 of 3

^{* -} The Parking Area Totals SQFT value represents all parking areas collected in Cycle 5, both park and concessionaire.

^{** -} Parking and Manually Rated Routes are assigned the following PCR values based on their observed condition: Construction=-1, Excellent=97, Good=90, Fair=73, and Poor=45.

^{*** -} Equivalent Lane Miles are calculated by route using the following equations : DCV and Manually Rated Lines Routes=(PAVE_WIDTHxPAVED_MI)/11 foot lane. Parking Areas=SQ_FEET/5280/11. Manually Rated Polygons=SQ_FEET/5280/11.

Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 10/16/2012

(Numerical By Route #)

Black = State, Local or Private non-NPS Routes

Shading Color Key: Red text denotes approx. mileage White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

= Concession Route Flag ON

*Unpaved route data was obtained from NPS and was not inventoried by the Road Inventory Program (RIP).

** DCV - Data Collection Vehicle NC - Not Collected

Grey = Paved Routes, DCV not Driven

General Park Road Functional Classification Table

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

- Class 2 Connector Park Road (Public Roads) Roads which provide access within a park to areas of scenic, scientific, recreational or cultural interest, such as overlooks, camparounds, etc. Route Numbers 100-199.
- <u>Class 3</u> 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.
- <u>Class 5</u> Administrative Access Road (Administrative Roads) All public roads intended for access to administrative developments or structures such as park offices, employee quarters, or utility areas. Route Numbers 400-499.
- Class 6
 Restricted Road (Administrative Roads) All roads normally closed to the public, including patrol roads, truck trails, and other similar roads. Route Numbers 400-499.
 Note: Functional Classes 5 and 6 have the same route numbers because historically they were numbered similarly and often there is little distinction between these routes. For example, because utility areas and employee housing are often closed to the public, this restriction would result in classification of FC 6 rather than FC 5
- Class 7 Urban Parkway (Urban Parkways and City Streets) These facilities serve high volumes of park and non-park related traffic and are restricted, limited-access facilities in an urban area. This category of roads primarily encompasses the major parkways which serve as gateways to our nation's capital. Other major park roads or portions thereof, however, may be included in this category. Route Numbers 1-9.
- Class 8 City Streets (Urban Parkways and City Streets) City streets are usually extensions of the adjoining street system that are owned and maintained by the National Park Service. The construction and/or reconstruction should conform with accepted local engineering practice and local conditions. Route Numbers 600-699.

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

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

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

Surface Type Abbreviations:

Page 3 of 3

- AS Asphaltic Concrete Pavement
- **CO Portland Cement Concrete Pavement**
- BR Brick or Pavers Road Bed
- CB Cobble Stone Road Bed
- GR Gravel Road Bed
- SA Sand Road Bed
- NV Native or Dirt Material Road Bed
- OT Other Materials Road Bed

NPS/RIP Subcomponent Details for UPDE

Road Inventory Program 10/16/2012

(Numerical By Subcomponent #)

Page 1 of 1

Shading Color Key: Red text denotes approx. mileage White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

= Concession Route Flag ON

*Unpaved route data was obtained from NPS and was not inventoried by the Road Inventory Program (RIP).

UPDE

UPPER DELAWARE SCENIC AND RECREATIONAL RIVER

Asset	Asset Entered in FMSS System										
Rte. No.	FMSS No.	Cycle Collected	Route Name	Route Des From	scription To	Concess Route	Func. Class	Paved Miles	Un- Paved Miles	Total Route Length	Manual Rated SQ/FT
0905ZZ	102623	5	LACKAWAXEN MAINTENANCE OFFICE UPPER AND LOWER DRIVEWAYS	FROM ACCESS ROAD	TO PARKING			0.00	0.00	0.00	3,741

on To	Concess Route	unc. lass	Paved Miles	Un- Paved Miles	Total Route Length	Manual Rated SQ/FT
To	0 0	.∃ ;;	Miles	Miles	Length	SQ/FT
.0	OF	БО	Willes			
TO PARKING			0.00	0.00	0.00	1,832
TO PARKING			0.00	0.00	0.00	1,909

ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE - UPDE

	OTHER CHANGES FROM PREVIOUS INVENTORY:								
Route #	Route Name	Type of Change	Comments						
0010	ROEBLING BRIDGE ROAD	ROUTES COMBINED	CYCLE 3 ROUTES 0010, 0011, AND 0012 WERE COMBINED INTO ROUTE 0010 PER THE PARK'S REQUEST.						
0900	MAINTENANCE HEADQUARTERS	SQ FEET CHANGE	ROUTE AREA HAS INCREASED IN CYCLE 5 DUE TO UPDATED GPS SHAPE COLLECTED.						
0905ZZ	LACKAWAXEN MAINTENANCE OFFICE UPPER AND LOWER DRIVEWAYS	ROUTES COMBINED	CYCLE 3 ROUTES 0905 AND 0906 WERE COMBINED PER THE PARK'S REQUEST.						

Section 3 Park Summary Information



Upper Delaware Scenic and Recreational River



Note: This park is classified as a Small Park. No Data Collection Vehicle routes existed in this park at the time of data collection. Therefore, there is no data to report for this section.

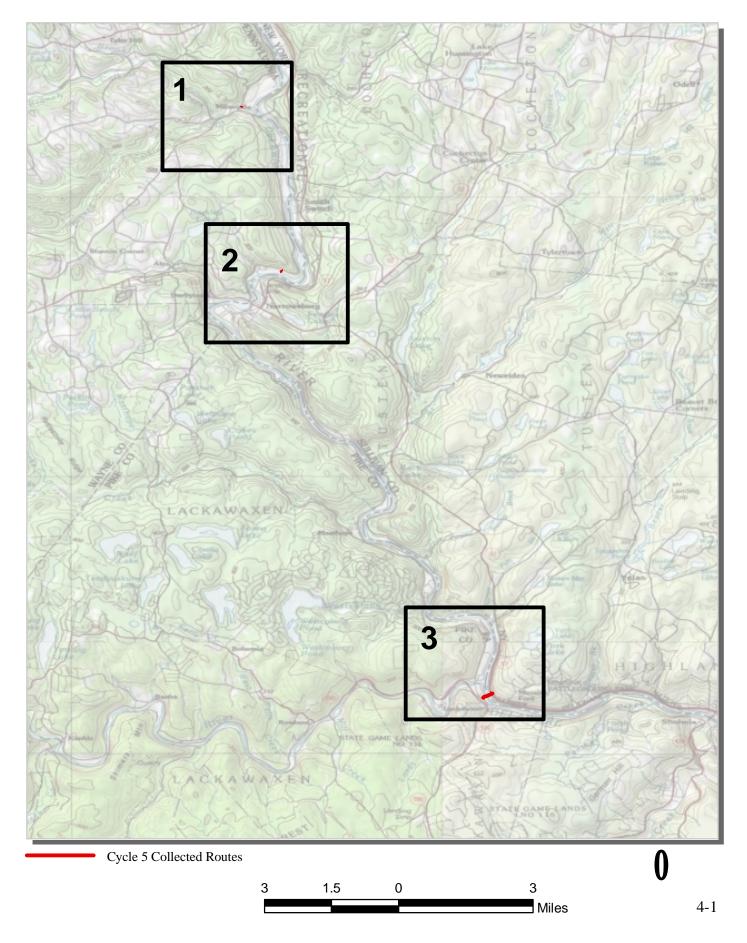
Section 4 Park Route Location Maps



Upper Delaware Scenic and Recreational River



Upper Delaware Scenic and Recreational River Route Location Map Key Map



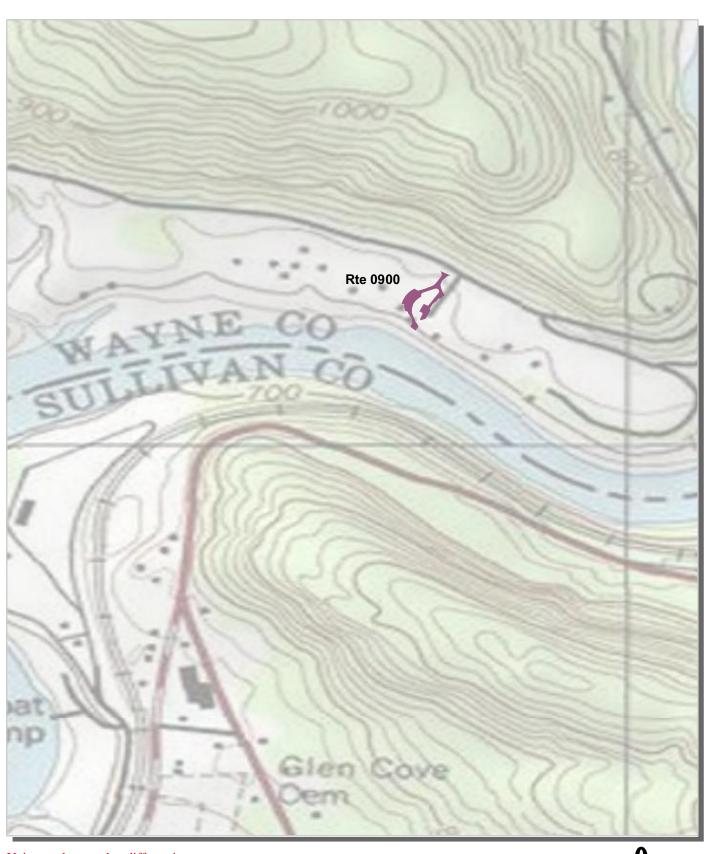
Upper Delaware Scenic and Recreational River Route Location Map Area 1



Unique colors used to differentiate routes



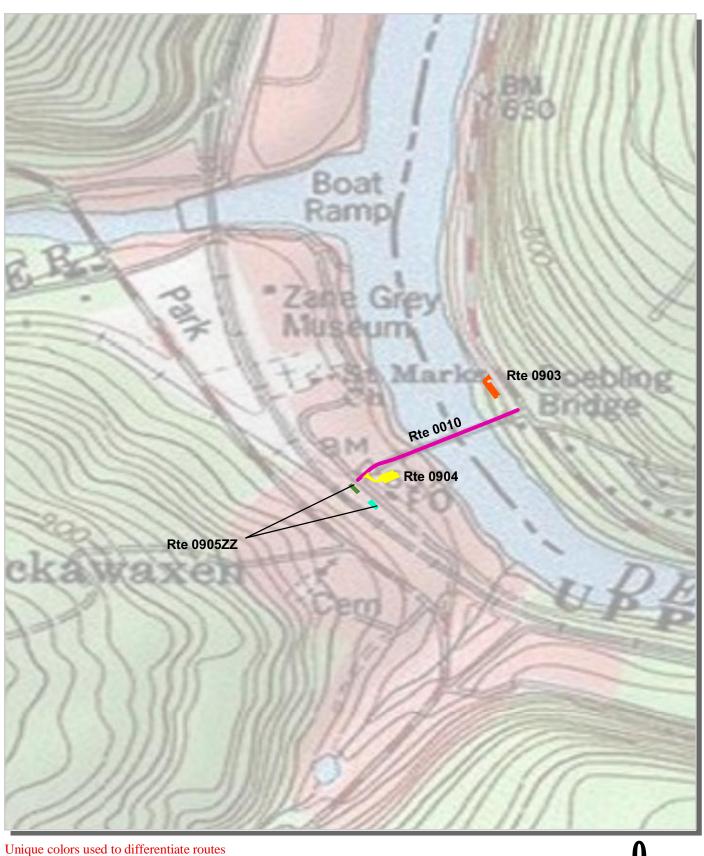
Upper Delaware Scenic and Recreational River Route Location Map Area 2



Unique colors used to differentiate routes



Upper Delaware Scenic and Recreational River Route Location Map Area 3



colors used to differentiate routes



4-4

Section 5 Paved Route Condition Rating Sheets

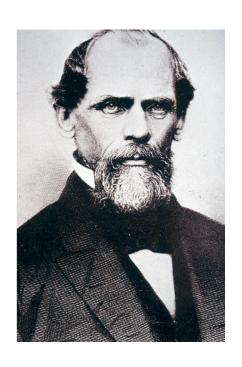


Upper Delaware Scenic and Recreational River



Note: This park is classified as a Small Park. No Data Collection Vehicle routes existed in this park at the time of data collection. Therefore, there is no data to report for this section.

Section 6 Manually Rated Paved Route Condition Rating Sheets



Upper Delaware Scenic and Recreational River



ROEBLING BRIDGE ROAD FROM NEW YORK STATE HIGHWAY 97 TO SCENIC DRIVE (PA)

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Paved Length (mi)	Paved Width (ft)
0010	PUBLIC	6/24/2012	17,094	0.29	0.19	17.5
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR	Surface Type
0	19	0	CONCRETE CURB AND GUTTER	CONCRETE CURB	GOOD/90	СО

^{*} Lane miles are based on 11' lane widths



Rte 0903

Rte 0010

Rte 0904

Rte 0905Z

Rte 0906Z







Section 7 Parking Area Condition Rating Sheets



Upper Delaware Scenic and Recreational River



Route 0900

MAINTENANCE HEADQUARTERS FROM RIVER ROAD TO PARKING

Route	Public /				
Number	NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0900	PUBLIC	6/24/2012	23,421	0.40	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
			NO CURB AND		
0	1	2	GUTTER	NO CURB	FAIR/73

^{*} Lane miles are based on 11' lane widths











NORTH DISTRICT RANGER OFFICE FROM RIVER ROAD TO RIVER ROAD

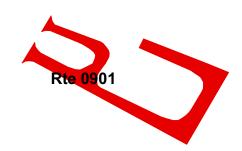
Route	Public /				
Number	NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0901	NONPUBLIC	6/24/2012	6,367	0.11	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
			NO CURB AND		
0	0	0	GUTTER	NO CURB	POOR/45

^{*} Lane miles are based on 11' lane widths











MINISINK FORD PARKING LOT FROM NEW YORK STATE HIGHWAY 97 TO PARKING

Route	Public /				
Number	NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0903	PUBLIC	6/24/2012	6,024	0.10	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
			CONCRETE CURB		
0	1	0	AND GUTTER	NO CURB	GOOD/90

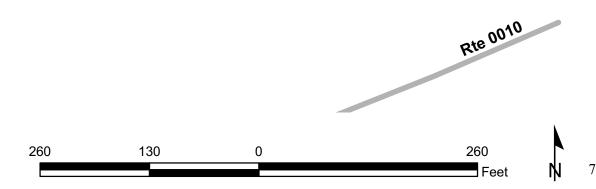
^{*} Lane miles are based on 11' lane widths











LACKAWAXEN PARKING LOT FROM ROUTE 0010 (ROEBLING BRIDGE ROAD) TO PARKING

Route	Public /				
Number	NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0904	PUBLIC	6/24/2012	7,732	0.13	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
			CONCRETE CURB		
0	1	0	AND GUTTER	NO CURB	GOOD/90

^{*} Lane miles are based on 11' lane widths









Rte 0905Z

Rte 0906Z



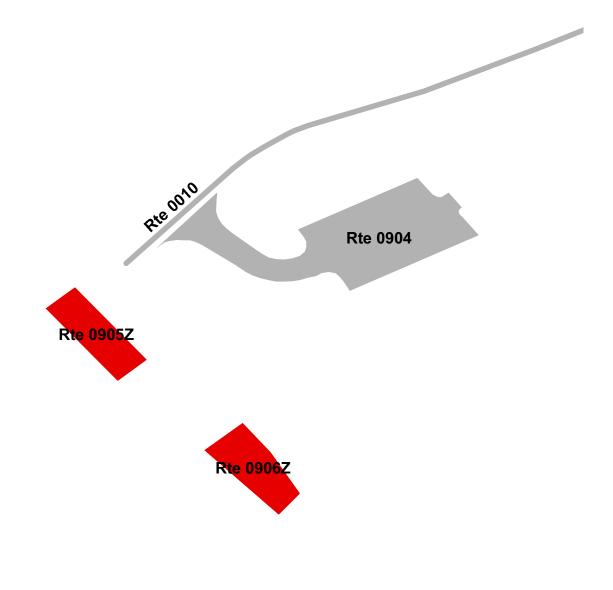
LACKAWAXEN MAINTENANCE OFFICE UPPER AND LOWER DRIVEWAYS FROM ACCESS ROAD

TO PARKING

Summary Record

Route	Public /				
Number	NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0905ZZ	NONPUBLIC	6/24/2012	3,741	0.07	СО
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
			NO CURB AND		
1	0	0	GUTTER	NO CURB	SUMMARY/90

^{*} Lane miles are based on 11' lane widths



150

Feet

LACKAWAXEN MAINTENANCE OFFICE LOWER DRIVEWAY FROM ACCESS ROAD

TO PARKING

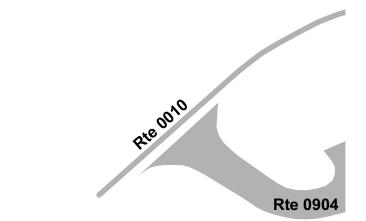
Subcomponent Record

Route	Public /				
Number	NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0905Z	NONPUBLIC	6/24/2012	1,832	0.03	CO
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
			NO CLIDD AND		·
			NO CURB AND		

^{*} Lane miles are based on 11' lane widths











Route 0906Z

LACKAWAXEN MAINTENANCE OFFICE UPPER DRIVEWAY FROM ACCESS ROAD

TO PARKING

Subcomponent Record

Route	Public /				
Number	NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0906Z	NONPUBLIC	6/24/2012	1,909	0.03	CO
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
			NO CURB AND		
0	0	0	GUTTER	NO CURB	GOOD/90

^{*} Lane miles are based on 11' lane widths

Ric 0010

Rte 0904

Rte 0905Z











Section 8 Parkwide/Route Maintenance Features Summaries



Upper Delaware Scenic and Recreational River



UPDE: PARKWIDE / ROUTE MAINTENANCE FEATURES SUMMARY

Note: There are no Data Collection Vehicle routes in this park. However, counts were made of the features listed in the table below.

Route					
Number	Culverts	Drop Inlets	Gates	Curb	Curb & Gutter
0010	0	19	0	CONCRETE CURB	CONCRETE CURB AND GUTTER
0900	0	1	2	NO CURB	NO CURB AND GUTTER
0901	0	0	0	NO CURB	NO CURB AND GUTTER
0903	0	1	0	NO CURB	CONCRETE CURB AND GUTTER
0904	0	1	0	NO CURB	CONCRETE CURB AND GUTTER
0905ZZ	1	0	0	NO CURB	NO CURB AND GUTTER
Totals	1	22	2		

NC = Not Collected

NO = This feature does not exist

Section 9 Route Maintenance Features Road Logs



Upper Delaware Scenic and Recreational River



Note: This park is classified as a Small Park. No Data Collection Vehicle routes existed in this park at the time of data collection. Therefore, there is no data to report for this section.

Section 10 Appendix



Upper Delaware Scenic and Recreational River



GLOSSARY OF TERMS AND ABBREVIATIONS

TERM OR

ABBREVIATION DESCRIPTION OR DEFINITION

Excellent rating with an index value of 97

Fair rating with an index value of 73

Func. Class Functional Classification (see Route ID, Section 2)

Good Good rating with an index value of 90

MRR Manually Rated Route

MRL Manually Rated Line

MRP Manually Rated Polygon

N/A Not Applicable

NC Not Collected

PKG Parking Area

Poor Poor rating with an index value of 45

GPS on Manually Rated Roads (MRR)

Parking areas, some roads, and other paved areas that are not fully drivable with the RIP Data Collection Vehicle are collected manually by field technicians. GPS is collected for these routes using portable Trimble GPS backpack units.

Geodatabase - Background and Metadata

In addition to this park report, a *geodatabase* containing both tabular and spatial data specific to this park has been provided. All data disseminated in the preceding report has been obtained from the tables and fields within said geodatabase. The geodatabase can be referenced for tabular data via Microsoft Access or for both tabular and spatial data via ESRI's ArcGIS Suite of software which consists of; ArcMap, ArcCatalog and ArcExplorer. Consolidating the RIP data into one database creates a seamless relationship of tables and geographic data. It will allow RIP to facilitate easier updates and enhancements in the future.

A geodatabase can be thought of as simply a database containing spatial data. Many different tables are contained with the park's geodatabase. A complete and thorough description of the tables and fields contained within this geodatabase can be found in the *metadata*. The metadata is attached directly within the geodatabase and can be accessed via ESRI's ArcCatalog.