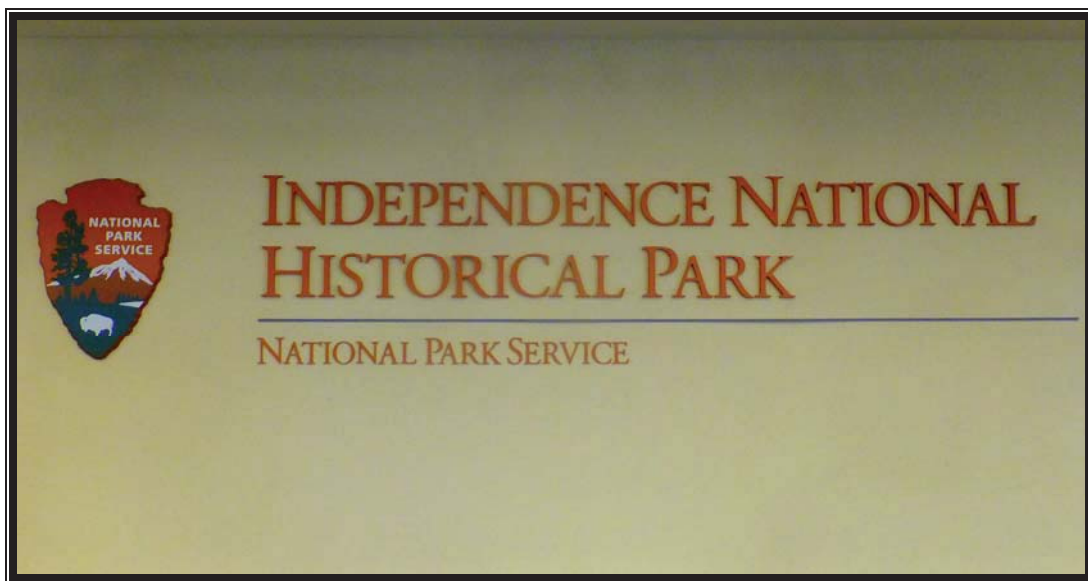




Federal Lands Highway Road Inventory Program

Road Inventory and Condition Assessment



Independence National Historical Park INDE

Cycle 5 Report

**Prepared By: Federal Highway Administration
Road Inventory Program (RIP)
Data Collected: 06/2013
Report Date: 10/2013**

Independence National Historical Park in Pennsylvania

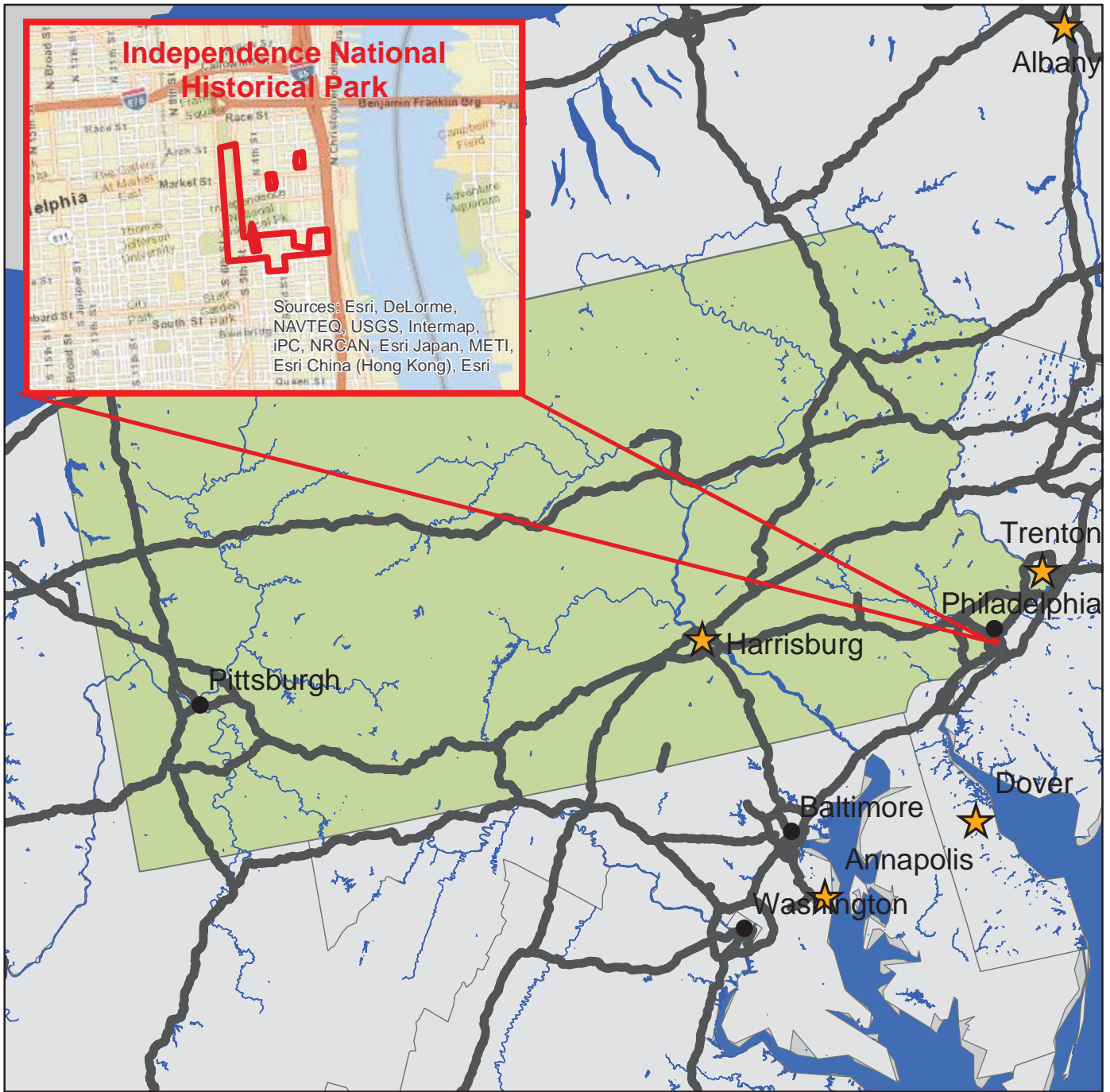




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Section 1 Introduction



Independence National Historical Park



Federal Lands Highway
Road Inventory Program

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 231 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
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(720) 963-3556

Section 2

Park Route Inventory



Independence National Historical Park



Federal Lands Highway
Road Inventory Program

Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 10/08/2013

(Numerical By Route #)

Page 2 of 3

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).

** DCV - Data Collection Vehicle NC - Not Collected

CYCLE 5 SUMMARY TOTALS FOR INDEPENDENCE NATIONAL HISTORICAL PARK

CYCLE 5 ROUTE TOTALS		CYCLE 5 CONCESSION TOTALS	
DCV Driven Route Miles	0.00	Concession Paved Route Miles	0.00
Manually Rated Route Miles	0.00	Concession Unpaved Route Miles	0.00
TOTAL PARK ROUTE MILES COLLECTED IN CYCLE 5	0.00	TOTAL CONCESSION ROUTE MILES	0.00
Manually Rated Routes (SQFT)	0	Concession Paved Parking Area SQFT	0
TOTAL UNPAVED PARK ROUTE MILES	0.00	Concession Unpaved Parking Area SQFT	0
		TOTAL CONCESSION PARKING AREA SQFT	0
		Concession Manually Rated Routes SQFT	0
* CYCLE 5 PARKING AREA TOTALS		CYCLE 5 WEIGHTED AVERAGE PARK VALUES	
Paved Parking (SQFT)	74,915	DCV Driven PCR	N/A
Unpaved Parking (SQFT)	0	**Manually Rated Routes PCR	N/A
TOTAL PARKING (SQFT)	74,915	**Parking PCR	55
		***Total Equivalent Lane Miles	1.29

* - 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

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).

** DCV - Data Collection Vehicle NC - Not Collected

General Park Road Functional Classification Table

- Class 1** Principal Park Road/Rural Parkway (Public Roads) Roads which constitute the main access route, circulatory tour, or thoroughfare for park visitors. Route Numbers 1 - 99. Note: Rural parkways (e.g. Natchez Trace) are numbered 1 - 9. State Routes Inventoried for Park. Route Numbers 5000-5999
- Class 2** Connector Park Road (Public Roads) - Roads which provide access within a park to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, etc. Route Numbers 100-199.
- Class 3** Special Purpose Park Road (Public Roads) - Roads which provide circulation within public areas, such as campgrounds, picnic areas, visitor center complexes, concessionaire facilities, etc. These roads generally serve low-speed traffic and are often designed for one-way circulation. Route Numbers 200-299.
- Class 4** Primitive Park Roads (Public Roads) - Roads which provide circulation through remote areas and/or access to primitive campgrounds and undeveloped areas. These roads frequently have no minimum design standards and their use may be limited to specially equipped vehicles. Route Numbers 200-299. Note: Functional Classes 3 and 4 have the same route numbers because, historically, they were numbered similarly.
- Class 5** Administrative Access Road (Administrative Roads) - All public roads intended for access to administrative developments or structures such as park offices, employee quarters, or utility areas. Route Numbers 400-499.
- Class 6** Restricted Road (Administrative Roads) - All roads normally closed to the public, including patrol roads, truck trails, and other similar roads. Route Numbers 400-499. Note: Functional Classes 5 and 6 have the same route numbers because historically they were numbered similarly and often there is little distinction between these routes. For example, because utility areas and employee housing are often closed to the public, this restriction would result in classification of FC 6 rather than FC 5.
- Class 7** Urban Parkway (Urban Parkways and City Streets) - These facilities serve high volumes of park and non-park related traffic and are restricted, limited-access facilities in an urban area. This category of roads primarily encompasses the major parkways which serve as gateways to our nation's capital. Other major park roads or portions thereof, however, may be included in this category. Route Numbers 1-9.
- Class 8** City Streets (Urban Parkways and City Streets) - City streets are usually extensions of the adjoining street system that are owned and maintained by the National Park Service. The construction and/or reconstruction should conform with accepted local engineering practice and local conditions. Route Numbers 600-699.

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

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

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

Surface Type Abbreviations:

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

NPS/RIP Subcomponent Details for INDE

Road Inventory Program 10/08/2013

(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).

INDE

INDEPENDENCE NATIONAL HISTORICAL PARK

Rte. No.	FMSS No.	Cycle Collected	Route Name	Route Description		Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
				From	To						
0903ZZ	61104	5	ORIANNA STREET NORTH AND SOUTH	FROM CHESTNUT STREET	TO END AT FRANKLIN COURT AND TO ROUTE 0906 (HARMONY STREET)			0.00	0.00	0.00	4,075

INDE-0903ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Name	Route Description		Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
				From	To						
0903AZ	61104	5	ORIANNA STREET NORTH	FROM CHESTNUT STREET	TO END AT FRANKLIN COURT			0.00	0.00	0.00	1,506
0903BZ	61104	5	ORIANNA STREET SOUTH	FROM CHESTNUT STREET	TO ROUTE 0906 (HARMONY STREET)			0.00	0.00	0.00	2,569

ROUTE IDENTIFICATION CHANGES TO PAVED ROUTES FROM PREVIOUS CYCLE - INDE

ROUTES ADDED FROM PREVIOUS INVENTORY:

Route #	Route Name	Reason for Addition	Comments
0906	HARMONY STREET	OTHER	NEW ROUTE ADDED DURING THE CYCLE 5 ROUTE ID MEETING.
0907	MORAVIAN STREET	OTHER	NEW ROUTE ADDED DURING THE CYCLE 5 ROUTE ID MEETING.
0908	NATIONAL CONSTITUTION CENTER PARKING	OTHER	NEW ROUTE ADDED DURING THE CYCLE 5 ROUTE ID MEETING.
0909	SANSOM WALK	OTHER	NEW ROUTE ADDED DURING THE CYCLE 5 ROUTE ID MEETING.
0910	CHURCH STREET	OTHER	NEW ROUTE ADDED DURING THE CYCLE 5 ROUTE ID MEETING.

OTHER CHANGES FROM PREVIOUS INVENTORY:

Route #	Route Name	Type of Change	Comments
0903ZZ	ORIANNA STREET NORTH AND SOUTH	SQ FEET CHANGE	THE SOUTH SECTION WAS ADDED DURING THE CYCLE 5 ROUTE ID MEETING.

Section 3

Park Summary Information



Independence National Historical Park



Federal Lands Highway
Road Inventory Program

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

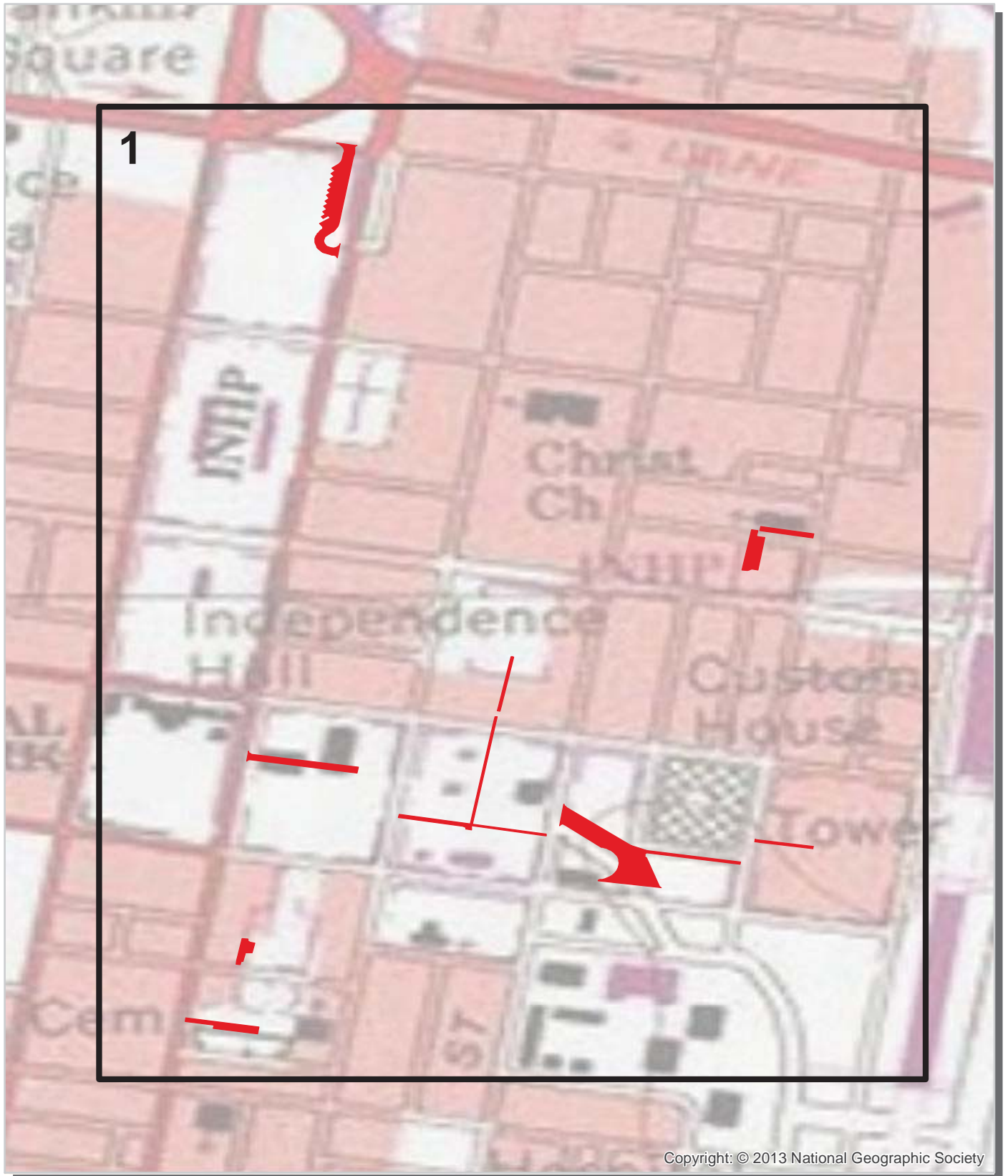


Independence National Historical Park

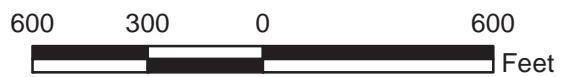


Federal Lands Highway
Road Inventory Program

Independence National Historical Park
Route Location Map
Key Map



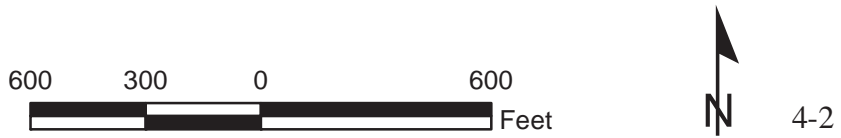
— Cycle 5 Collected Routes



Independence National Historical Park Route Location Map Area 1



Unique colors used to differentiate routes



Section 5
Paved Route
Condition Rating Sheets



Independence National Historical Park



**Federal Lands Highway
Road Inventory Program**

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



Independence National Historical Park



Federal Lands Highway
Road Inventory Program

MANUALLY RATED ROUTE CONDITION RATING SHEETS

No data available for this section.

Section 7

Parking Area

Condition Rating Sheets



Independence National Historical Park



Federal Lands Highway
Road Inventory Program

INDEPENDENCE NATIONAL HISTORICAL PARK

Route 0900

QUARTERS PARKING AREA

FROM LOCUST STREET

TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0900	NONPUBLIC	6/19/2013	2,406	0.04	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	1	2	NO CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths



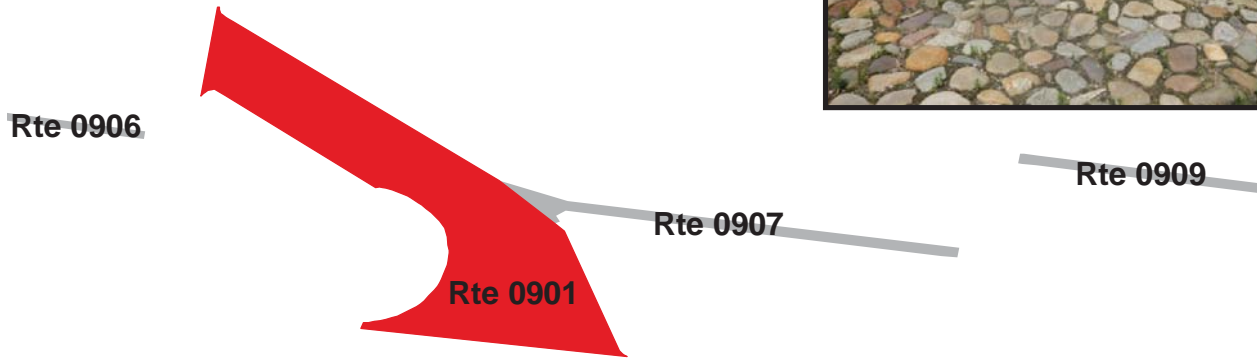
INDEPENDENCE NATIONAL HISTORICAL PARK

Route 0901

DOCK STREET
FROM WALNUT STREET
TO S 3RD STREET

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0901	NONPUBLIC	6/19/2013	24,487	0.42	CB
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	4	0	STONE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



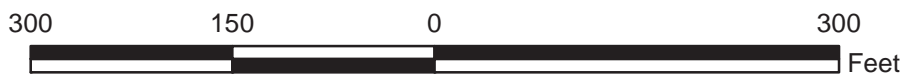
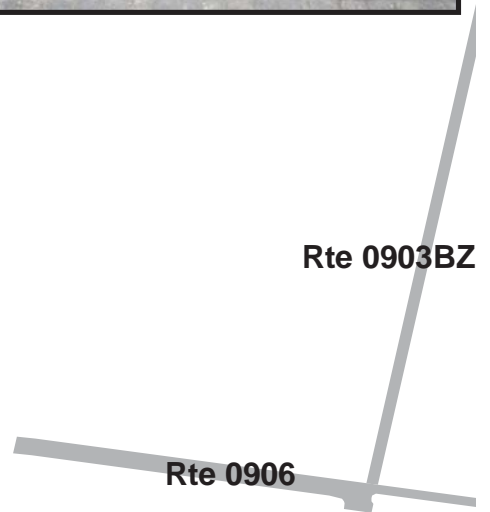
INDEPENDENCE NATIONAL HISTORICAL PARK

Route 0902

LIBRARY STREET
FROM S 5TH STREET
TO END

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0902	NONPUBLIC	6/19/2013	6,806	0.12	CB
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	0	1	STONE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



INDEPENDENCE NATIONAL HISTORICAL PARK

Route 0903ZZ

ORIANNA STREET NORTH AND SOUTH

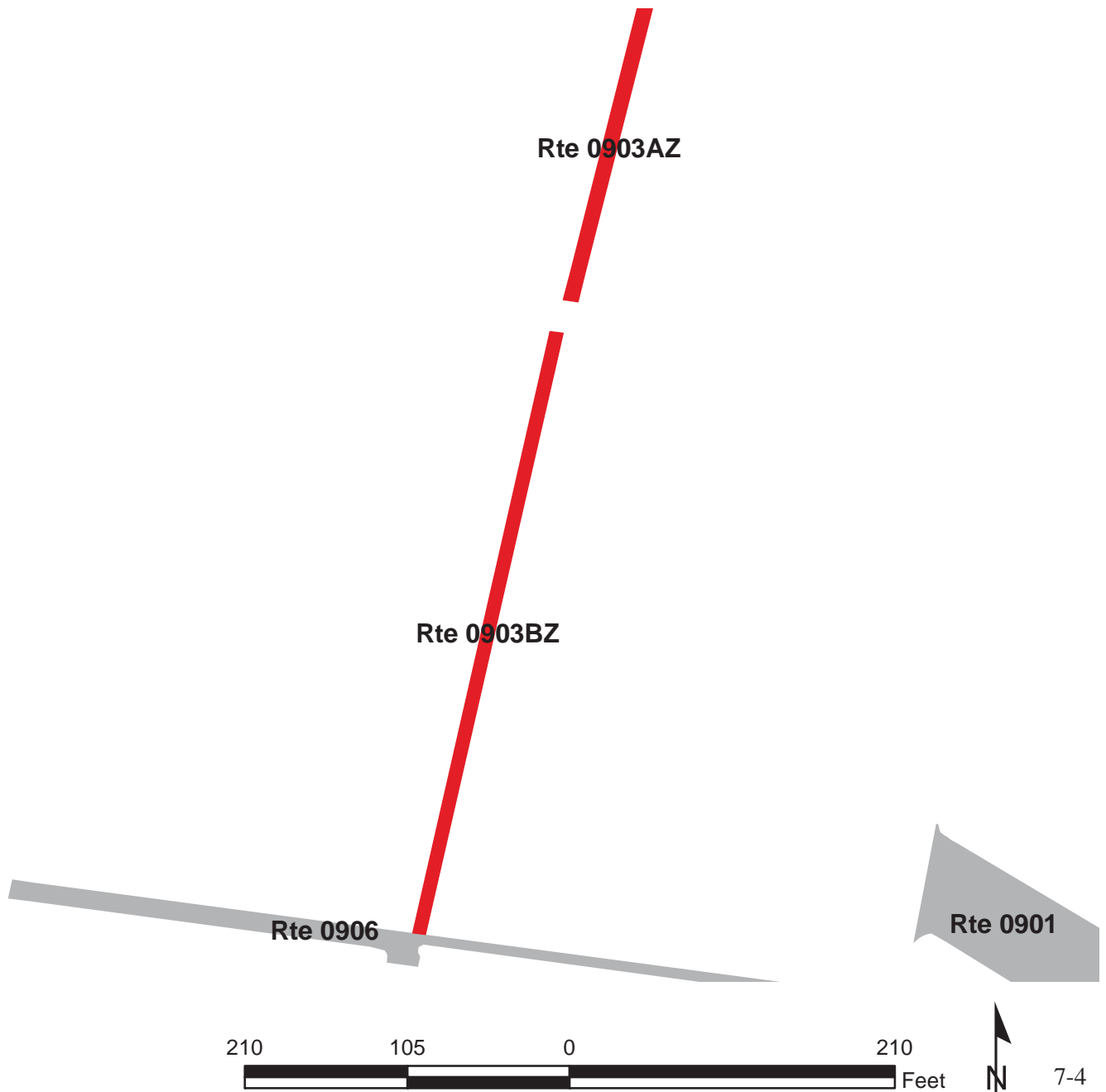
FROM CHESTNUT STREET

TO END AT FRANKLIN COURT AND TO ROUTE 0906 (HARMONY STREET)

Summary Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0903ZZ	NONPUBLIC	6/19/2013	4,075	0.07	CB
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
1	2	2	STONE CURB AND GUTTER	NO CURB	SUMMARY/45

* Lane miles are based on 11' lane widths



INDEPENDENCE NATIONAL HISTORICAL PARK

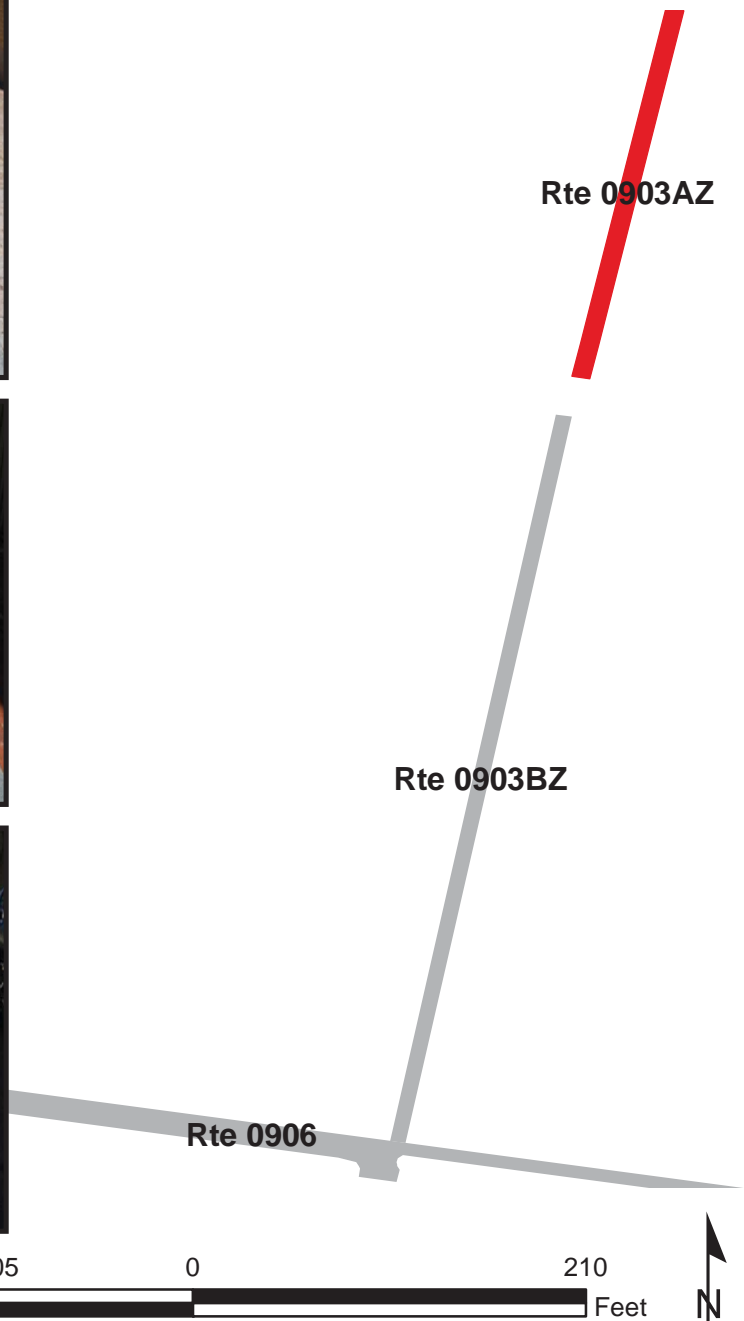
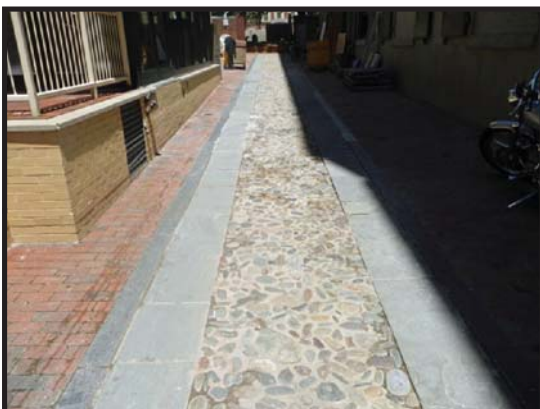
Route 0903AZ

ORIANNA STREET NORTH
FROM CHESTNUT STREET
TO END AT FRANKLIN COURT

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0903AZ	NONPUBLIC	6/19/2013	1,506	0.03	CB
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	0	1	NO CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



INDEPENDENCE NATIONAL HISTORICAL PARK

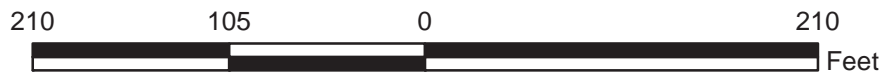
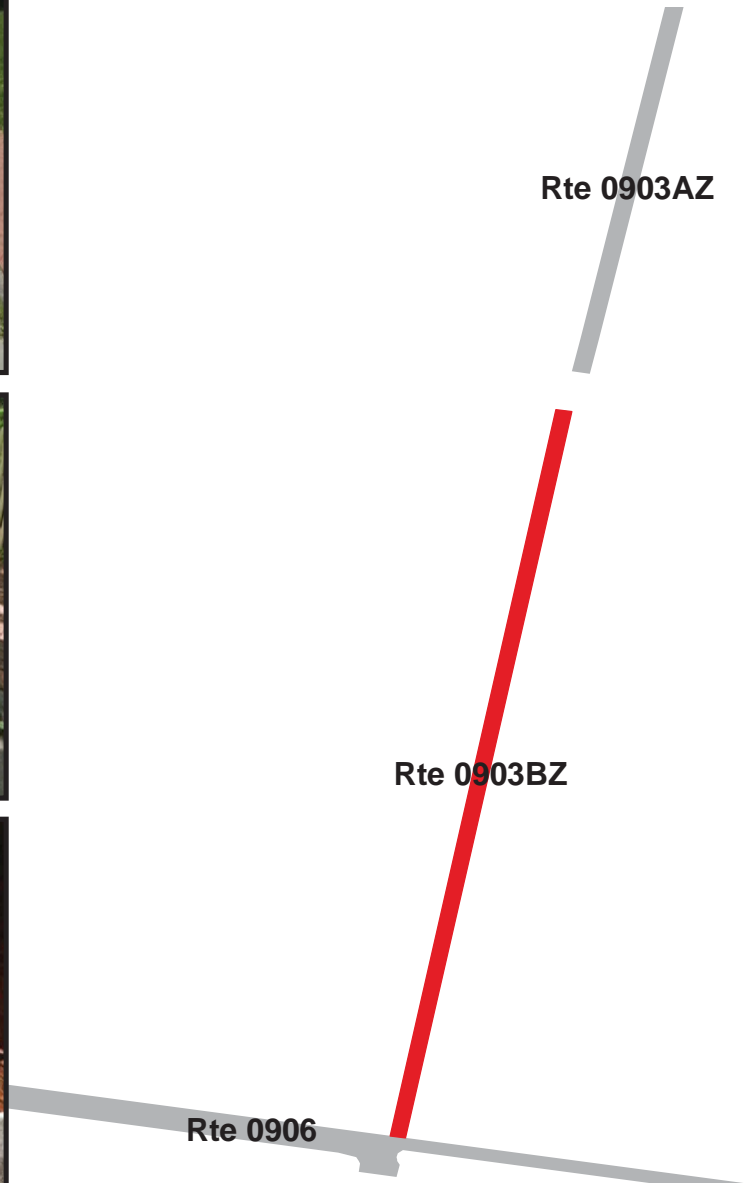
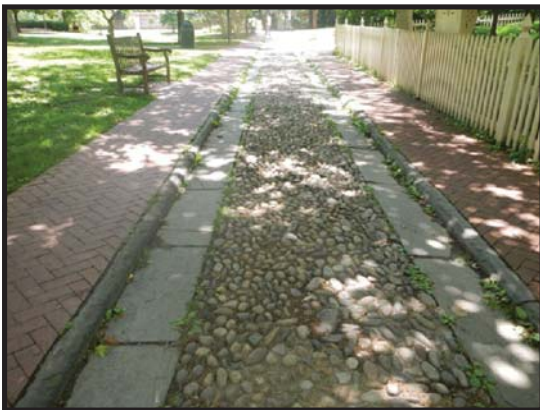
Route 0903BZ

ORIANNA STREET SOUTH
FROM CHESTNUT STREET
TO ROUTE 0906 (HARMONY STREET)

Subcomponent Record

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0903BZ	NONPUBLIC	6/19/2013	2,569	0.04	BS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
1	2	1	STONE CURB AND GUTTER	NO CURB	POOR/45

* Lane miles are based on 11' lane widths



INDEPENDENCE NATIONAL HISTORICAL PARK

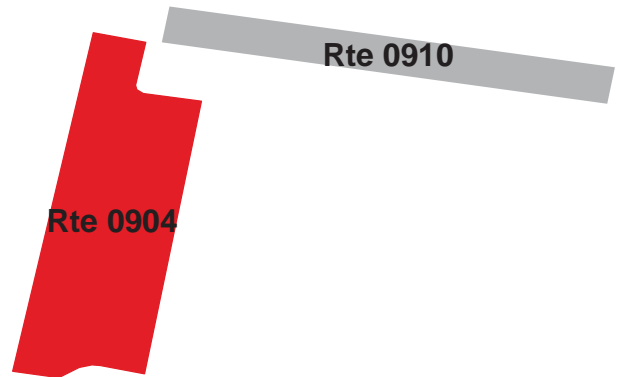
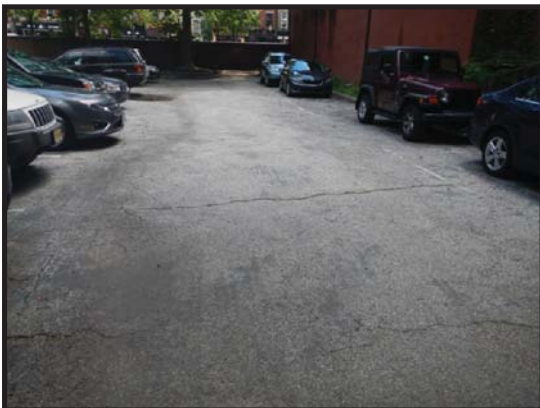
Route 0904

CHRIST CHURCH PARKING

FROM INTERSECTION OF ROUTE 0910 (CHURCH STREET),
 CHURCH STREET (NON NPS), AND N AMERICAN STREET
 TO PARKING

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0904	NONPUBLIC	6/19/2013	5,566	0.10	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	1	1	NO CURB AND GUTTER	CONCRETE CURB	POOR/45

* Lane miles are based on 11' lane widths



INDEPENDENCE NATIONAL HISTORICAL PARK

Route 0905

MAINTENANCE PARKING AREA

FROM S 5TH STREET
TO MAINTENANCE AREA

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0905	NONPUBLIC	6/19/2013	4,090	0.07	CO
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	3	1	NO CURB AND GUTTER	NO CURB	GOOD/90

* Lane miles are based on 11' lane widths



INDEPENDENCE NATIONAL HISTORICAL PARK

Route 0906

HARMONY STREET

FROM S 3RD STREET

TO S 4TH STREET

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0906	NONPUBLIC	6/19/2013	4,138	0.07	CB
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	3	3	NO CURB AND GUTTER	STONE CURB	POOR/45

* Lane miles are based on 11' lane widths



Rte 0903BZ

Rte 0906



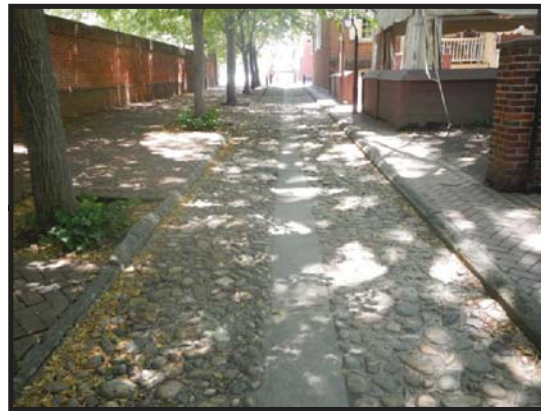
INDEPENDENCE NATIONAL HISTORICAL PARK

Route 0907

MORAVIAN STREET
FROM S 2ND STREET
TO ROUTE 0901 (DOCK STREET)

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0907	NONPUBLIC	6/19/2013	2,829	0.05	CB
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	0	0	NO CURB AND GUTTER	STONE CURB	POOR/45

* Lane miles are based on 11' lane widths



INDEPENDENCE NATIONAL HISTORICAL PARK

Route 0908

NATIONAL CONSTITUTION CENTER PARKING

FROM RACE STREET

TO S 5TH STREET

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0908	PUBLIC	6/19/2013	16,728	0.29	AS
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	6	0	NO CURB AND GUTTER	CONCRETE CURB	FAIR/73

* Lane miles are based on 11' lane widths



Rte 0908



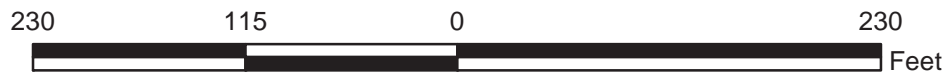
INDEPENDENCE NATIONAL HISTORICAL PARK

Route 0909

SANSOM WALK
FROM S 2ND STREET
TO SANSOM STREET AT GATE

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0909	PUBLIC	6/19/2013	1,398	0.02	CB
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	2	1	NO CURB AND GUTTER	NO CURB	FAIR/73

* Lane miles are based on 11' lane widths



INDEPENDENCE NATIONAL HISTORICAL PARK

Route 0910

CHURCH STREET

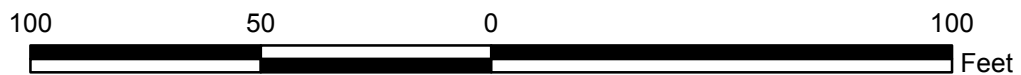
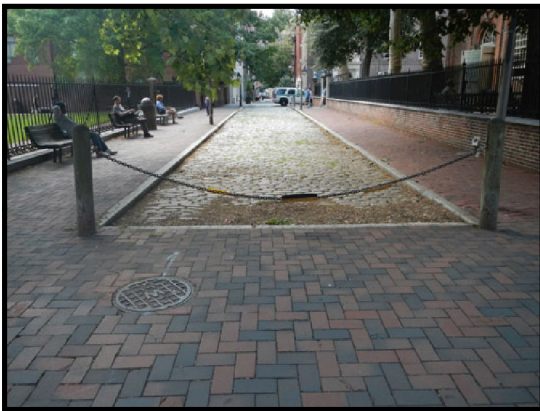
FROM INTERSECTION OF ROUTE 0904 (CHRIST CHURCH PARKING),

CHURCH STREET (NON NPS), AND N AMERICAN STREET

TO N 2ND STREET

Route Number	Public / NonPublic	Date Visited	Area (sq ft)	Lane Miles *	Surface Type
0910	NONPUBLIC	6/19/2013	2,392	0.04	GB
Culverts	Drop Inlets	Gates	Curb & Gutter	Curb	PCR
0	0	2	NO CURB AND GUTTER	STONE CURB	POOR/45

* Lane miles are based on 11' lane widths



Section 8 Parkwide/Route Maintenance Features Summaries



Independence National Historical Park



Federal Lands Highway
Road Inventory Program

INDE: 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
0900	0	1	2	CONCRETE CURB	NO CURB AND GUTTER
0901	0	4	0	NO CURB	STONE CURB AND GUTTER
0902	0	0	1	NO CURB	STONE CURB AND GUTTER
0903ZZ	1	2	2	NO CURB	STONE CURB AND GUTTER
0904	0	1	1	CONCRETE CURB	NO CURB AND GUTTER
0905	0	3	1	NO CURB	NO CURB AND GUTTER
0906	0	3	3	STONE CURB	NO CURB AND GUTTER
0907	0	0	0	STONE CURB	NO CURB AND GUTTER
0908	0	6	0	CONCRETE CURB	NO CURB AND GUTTER
0909	0	2	1	NO CURB	NO CURB AND GUTTER
0910	0	0	2	STONE CURB	NO CURB AND GUTTER
Totals	1	22	13		

NC = Not Collected

NO = This feature does not exist

Section 9
Route Maintenance Features
Road Logs



Independence National Historical Park



Federal Lands Highway
Road Inventory Program

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



Independence National Historical Park



**Federal Lands Highway
Road Inventory Program**

GLOSSARY OF TERMS AND ABBREVIATIONS

<u>TERM OR ABBREVIATION</u>	<u>DESCRIPTION OR DEFINITION</u>
DCV	Data Collection Vehicle
Excellent	Excellent rating with an index value of 97
Fair	Fair rating with an index value from 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
PCR	Pavement Condition Rating
PKG	Parking Area
Poor	Poor rating with an index value of 45
RIP	Road Inventory Program

GPS on Manually Rated Roads (MRR)

Parking areas, some roads, and other paved areas that are not fully drivable with the Data Collection Vehicle are collected manually by field technicians. GPS is collected for these routes using portable Trimble GPS backpack units. Paved campground pads and driveways are not typically included in the inventory or GPS.

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 tabular 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 within 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. The metadata portion of the geodatabase also includes data dictionary report functionality that formats the metadata into an easy to read report.