

# Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 11/20/2013

(Numerical By Route #)

Page 1 of 4

Shading Color Key:

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Red text denotes approx. mileage

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

## HOFU

### HOPEWELL FURNACE NATIONAL HISTORIC SITE

Rte. No.	Cycle Collected	FMSS No.	Concession Route	Route Name	Route Description From To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Manual Rated SQ/FT	Surf. Type	Area Maps
0010	5	19648		ENTRANCE ROAD	FROM ROUTE 5000 (STATE ROUTE 345 (SHED ROAD)) TO ROUTE 0900 (LOWER PARKING LOT)	N/A	0.30	0.00	0.30	2		AS	1
0100	NC	56764		CARE HOUSE ACCESS ROAD	FROM ROUTE 5000 (STATE ROUTE 345 (SHED ROAD)) TO END	N/A	0.00	0.19	0.19	4		GR	
0101	NC	19786		ESA ROAD	FROM HOPEWELL ROAD TO END	N/A	0.00	0.25	0.25	3		GR	
0200	NC	31438		PRIVATE CHARCOAL HOUSE TURN-AROUND	FROM ROUTE 0405ZZ (BIRDSBORO WARWICK ROADS) TO ROUTE 0405ZZ (BIRDSBORO WARWICK ROADS)	N/A	0.00	0.01	0.01	4		GR	
0201	NC	103553		ESA PARKING AREA ACCESS ROAD	FROM HOPEWELL ROAD TO ROUTE 0902 (ESA PARKING)	N/A	0.00	0.01	0.01	4		GR	
0202	NC	103439		BETHESDA PARKING AREA ACCESS ROAD	FROM HOPEWELL ROAD TO PARKING	N/A	0.00	0.01	0.01	4		GR	
0400	5	19795		REAR ENTRANCE ROAD	FROM ROUTE 0900 (LOWER PARKING LOT) TO ROUTE 0405ZZ (BIRDSBORO WARWICK ROADS)	N/A	0.18	0.00	0.18	5		AS	1
0402	5	56760		CHURCH HOUSE ACCESS ROAD	FROM ROUTE 5000 (STATE ROUTE 345 (SHED ROAD)) TO END	N/A	0.06	0.00	0.06	6	3,062	AS	1
0403	NC	39909		BLOCK BUILDING ROAD	FROM ROUTE 0202 (BETHESDA PARKING AREA ACCESS ROAD) TO END	N/A	0.00	0.21	0.21	6		GR	
0404	NC	39915		YCC SERVICE ROAD	FROM ROUTE 0403 (BLOCK BUILDING ROAD) TO END	N/A	0.00	0.06	0.06	6		GR	
0405ZZ	5	31442		BIRDSBORO WARWICK ROADS	FROM PARK ROAD TO END AT MP 0.600	N/A	0.08	0.52	0.60	6		AS	1
0406	NC	21219		READING-VALLEY FORGE ROAD	FROM ROUTE 0405ZZ (BIRDSBORO WARWICK ROADS) TO ROUTE 0900 (LOWER PARKING LOT)	N/A	0.00	0.22	0.22	6		GR	
0407	NC	40097		LLOYD HOUSE ACCESS ROAD	FROM HOPEWELL ROAD TO END	N/A	0.00	0.07	0.07	6		GR	
0408	NC	103698		BAPTISM CREEK ROAD	FROM HOPEWELL ROAD TO END	N/A	0.00	0.25	0.25	6		GR	
0409	NC	30473		FIELD 10 ACCESS ROAD	FROM HARRISON LLOYD ROAD TO END	N/A	0.00	0.19	0.19	6		GR	
0410	NC	31434		THOMAS LLOYD FARM LANE	FROM ROUTE 0409 (FIELD 10 ACCESS ROAD) TO END	N/A	0.00	0.15	0.15	6		GR	

# Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 11/20/2013

(Numerical By Route #)

Page 2 of 4

Shading Color Key:

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Red text denotes approx. mileage

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

## HOFU

### HOPEWELL FURNACE NATIONAL HISTORIC SITE

Rte. No.	Cycle Collected	FMSS No.	Concess Route	Route Name	Route Description From To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Manual Rated SQ/FT	Surf. Type	Area Maps
0411	NC	31437		HOPEWELL LAKE ROAD	FROM ROUTE 0405ZZ (BIRDSBORO WARWICK ROADS) TO WEST PARK BOUNDARY	N/A	0.00	0.25	0.25	6		GR	
0412	NC	21221		1825 ROAD	FROM ROUTE 0405ZZ (BIRDSBORO WARWICK ROADS) TO PARK BOUNDARY	N/A	0.00	0.10	0.10	6		GR	
0413	NC	31439		1809 ROAD	FROM ROUTE 0412 (1825 ROAD) TO CREEK	N/A	0.00	0.22	0.22	6		GR	
0414	NC	31440		1772 ROAD	FROM ROUTE 0406 (READING-VALLEY FORGE ROAD) TO END	N/A	0.00	0.10	0.10	6		GR	
0415	NC	30475		FIRE ROAD	FROM ROUTE 5000 (STATE ROUTE 345 (SHED ROAD)) TO END	N/A	0.00	0.70	0.70	5		GR	
0900	5	19308		LOWER PARKING LOT	FROM ROUTE 0010 (ENTRANCE ROAD) TO ROUTE 0400 (REAR ENTRANCE ROAD)	N/A	0.00	0.00	0.00		29,689	AS	1
0901	5	19307		UPPER PARKING LOT	FROM ROUTE 0400 (REAR ENTRANCE ROAD) TO PARKING	N/A	0.00	0.00	0.00		9,250	AS	1
0902	NC	114662		ESA PARKING	FROM ROUTE 0201 (ESA PARKING AREA ACCESS ROAD) TO PARKING	N/A	0.00	0.00	0.00		5,000	GR	
0903	5	103660		MAINTENANCE AREA PARKING	FROM ROUTE 0400 (REAR ENTRANCE ROAD) TO ROUTE 0400 (REAR ENTRANCE ROAD)	N/A	0.00	0.00	0.00		16,647	AS	1
5000	5			STATE ROUTE 345 (SHED ROAD)	FROM PARK SIGN AT INTERSECTION WITH PARK ROAD TO PARK SIGN	N/A	1.67	0.00	1.67			AS	1

# Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 11/20/2013

(Numerical By Route #)

Page 3 of 4

Shading Color Key:  
Red text denotes approx. mileage

White = Paved Routes, DCV Driven
Grey = Paved Routes, DCV not Driven

Yellow = Unpaved Routes, DCV not Driven
Black = State, Local or Private non-NPS Routes

Blue = All Paved Parking Areas
■ = Concession Route Flag ON

Green = All Unpaved Parking Areas
-----------------------------------

\*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 HOPEWELL FURNACE NATIONAL HISTORIC SITE

### CYCLE 5 ROUTE TOTALS

DCV Driven Route Miles	0.55
Manually Rated Route Miles	0.06
<b>TOTAL PARK ROUTE MILES COLLECTED IN CYCLE 5</b>	<b>0.61</b>
Manually Rated Routes (SQFT)	0.00
<b>TOTAL UNPAVED PARK ROUTE MILES</b>	<b>3.51</b>

### CYCLE 5 CONCESSION TOTALS

Concession Paved Route Miles	0.00
Concession Unpaved Route Miles	0.00
<b>TOTAL CONCESSION ROUTE MILES</b>	<b>0.00</b>
Concession Paved Parking Area SQFT	0
Concession Unpaved Parking Area SQFT	0
<b>TOTAL CONCESSION PARKING AREA SQFT</b>	<b>0</b>
Concession Manually Rated Routes SQFT	0

### \* CYCLE 5 PARKING AREA TOTALS

Paved Parking (SQFT)	55,586
Unpaved Parking (SQFT)	5,000
<b>TOTAL PARKING (SQFT)</b>	<b>60,586</b>

### CYCLE 5 WEIGHTED AVERAGE PARK VALUES

DCV Driven PCR	73
**Manually Rated Routes PCR	45
**Parking PCR	50
<b>***Total Equivalent Lane Miles</b>	<b>1.72</b>

\* - 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 11/20/2013

(Numerical By Route #)

Page 4 of 4

Shading Color Key:

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Red text denotes approx. mileage

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**
- OT - Other Materials Road Bed**

# NPS/RIP Subcomponent Details for HOFU

Road Inventory Program 11/20/2013

(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).

## HOFU

### HOPEWELL FURNACE NATIONAL HISTORIC SITE

Rte. No.	FMSS No.	Cycle Collected	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0405ZZ	31442	5	BIRDSBORO WARWICK ROADS	FROM PARK ROAD	TO END AT MP 0.600		6	0.08	0.52	0.60	

### HOFU-0405ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Name	From	To	Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT
0405AZ	31442	NC	BIRDSBORO WARWICK ROAD A	FROM PARK ROAD	TO BEGINNING OF ROUTE 0405BZ (BIRDSBORO WARWICK ROAD B) AT MP 0.058		6	0.00	0.06	0.06	
0405BZ	31442	5	BIRDSBORO WARWICK ROAD B	FROM END OF ROUTE 0405AZ (BIRDSBORO WARWICK ROAD A)	TO BEGINNING OF ROUTE 0405CZ (BIRDSBORO WARWICK ROAD C) AT MP 0.136		6	0.08	0.00	0.08	
0405CZ	31442	NC	BIRDSBORO WARWICK ROAD C	FROM END OF ROUTE 0405BZ (BIRDSBORO WARWICK ROAD B)	TO END OF ROUTE 0405CZ (BIRDSBORO WARWICK ROAD C) AT MP 0.600		6	0.00	0.46	0.46	