

# Cycle 6 NPS / RIP Route ID Report

(Numerical By Summary Route and Subcomponent #)



Shading Color Key

White = Paved Routes, DCV Driven

Grey = Paved Routes, DCV not Driven

Black = Non-NPS Routes

■ = Concession Route

Yellow = Unpaved Routes, DCV not Driven

Blue = Paved Parking Areas

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## HOFU Hopewell Furnace National Historic Site

### ROAD INVENTORY (1100 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description		Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
						From	To									
0010	6	1	19648		ENTRANCE ROAD	FROM ROUTE 5000 (PENNSYLVANIA STATE HIGHWAY 345)	TO ROUTE 0900 (LOWER VISITOR CENTER PARKING)		YES	0.30	0	0.30	2		AS	1A
0100	6	1	56764		CARE HOUSE ACCESS ROAD	FROM ROUTE 5000 (PENNSYLVANIA STATE HIGHWAY 345)	TO ROUTE 405CZ (BIRDSBORO WARWICK ROAD C)		NO	0	0.14	0.14	4		GR	1A
0101	NC		19786		ESA ROAD	FROM ROUTE 5002 (HOPEWELL ROAD)	TO END		NO	0	0.11	0.11	6		GR	1
0200	NC		31438		PRIVATE CHARCOAL HOUSE TURN-AROUND	FROM PRIVATE CHARCOAL HOUSE	TO ROUTE 0405CZ (BIRDSBORO WARWICK ROAD C)		NO	0	0.06	0.06	6		GR	1A
0400	6	1	19795		REAR ENTRANCE ROAD	FROM ROUTE 0900 (LOWER VISITOR CENTER PARKING)	TO ROUTE 0405BZ (BIRDSBORO WARWICK ROAD B)		YES	0.18	0	0.18	5		AS	1A
0403	NC		39909		BLOCK BUILDING ROAD	FROM ROUTE 0903 (MAINTENANCE AREA PARKING)	TO END		NO	0	0.12	0.12	6		GR	1A
0404	NC		39915		YCC ROAD	FROM ROUTE 0403 (BLOCK BUILDING ROAD)	TO END		NO	0	0.08	0.08	6		GR	1A
0405ZZ	6	1	31442		BIRDSBORO WARWICK ROADS	FROM ROUTE 0100 (CARE HOUSE ACCESS ROAD)	TO PARK ROAD		NO	0.08	0.50	0.58	6		AS	1A
0406	NC		21219		READING-VALLEY FORGE ROAD (1757 ROAD)	FROM ROUTE 0412 (1825 ROAD)	TO ROUTE 0405CZ (BIRDSBORO WARWICK ROAD C)		NO	0	0.06	0.06	6		GR	1A
0408	NC		103698		BAPTISM CREEK ROAD	FROM ROUTE 5002 (HOPEWELL ROAD)	TO END		NO	0	0.16	0.16	6		GR	1
0409	NC		30473		HARRISON LLOYD ROAD	FROM ROUTE 5003 (GREEN LANE)	TO END		NO	0	0.22	0.22	6		GR	1
0410	NC		31434		THOMAS LLOYD FARM LANE	FROM ROUTE 0409 (HARRISON LLOYD ROAD)	TO END		NO	0	0.10	0.10	6		GR	1
0412	NC		21221		1825 ROAD	FROM ROUTE 0010 (ENTRANCE ROAD)	TO ROUTE 0405CZ (BIRDSBORO WARWICK ROAD C)		NO	0	0.27	0.27	6		GR	1A
0415	NC		30475		FIRE ROAD	FROM ROUTE 5000 (PENNSYLVANIA STATE HIGHWAY 345)	TO END		NO	0	0.70	0.70	6		GR	1

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### NON-NPS ROADS INVENTORY

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Description		Maintenance District	FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)	Surf. Type	Area Map
					From	To									
5000	5	1			PENNSYLVANIA STATE HIGHWAY 345	FROM PARK SIGN AT INTERSECTION WITH PARK ROAD	TO PARK SIGN		NO	1.67	0	1.67		AS	1,1A
5001	6	1	103439		BETHESDA ROAD	FROM HOPEWELL ROAD	TO ROUTE 0904 (BETHESDA CHURCH PARKING)		NO	0.08	0.16	0.24		AS	1
5002	6	1			HOPEWELL ROAD	FROM ROUTE 5000 (PENNSYLVANIA STATE HIGHWAY 345)	TO ROUTE 5001 (BETHESDA ROAD)		NO	0.67	0	0.67		AS	1,1A
5003	6	1			GREEN LANE	FROM ROUTE 5002 (HOPEWELL ROAD)	TO BETHESDA ROAD		NO	0	0.65	0.65		GR	1

### PARKING AREA INVENTORY (1300 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Description		Maintenance District	FLTP	Access Level	Area (SQ FT)	Surf. Type	Area Map	
					From	To							
0900	6	1	19308		LOWER VISITOR CENTER PARKING	FROM ROUTE 0010 (ENTRANCE ROAD)	TO ROUTE 0400 (REAR ENTRANCE ROAD)		YES	PUBLIC	29,672	AS	1A
0901	6	1	19307		UPPER VISITOR CENTER PARKING	FROM ROUTE 0400 (REAR ENTRANCE ROAD)	TO PARKING		YES	PUBLIC	9,253	AS	1A
0902	NC		114662		ESA PARKING	FROM ROUTE 5002 (HOPEWELL ROAD)	TO PARKING		NO	NONPUBLIC	1,396	GR	1
0903	6	1	103660		MAINTENANCE AREA PARKING	FROM ROUTE 0400 (REAR ENTRANCE ROAD)	TO ROUTE 0400 (REAR ENTRANCE ROAD)		NO	NONPUBLIC	16,655	AS	1A
0904	6	1	251770		BETHESDA CHURCH PARKING	FROM ROUTE 5001 (BETHESDA ROAD)	TO PARKING		NO	PUBLIC	3,502	GR	1
0905	6	1	253463		LOWER VILLAGE ADA PARKING	FROM ROUTE 0906 (LOWER VILLAGE UNPAVED PARKING)	TO PARKING		YES	PUBLIC	2,013	AS	1A
0906	6	1			LOWER VILLAGE UNPAVED PARKING	FROM ROUTE 0100 (CARE HOUSE ACCESS ROAD)	TO ROUTE 0905 (LOWER VILLAGE ADA PARKING)		NO	PUBLIC	10,335	GR	1A

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## Cycle 6 Summary Totals for Hopewell Furnace National Historic Site

Cycle 6 Route Totals			
	NPS Maintained	Concessionaire Maintained	Park Totals
Paved Roads, Data Collection Vehicle Rated (Miles)	0.55	0	0.55
Paved Roads, Manually Rated Length (Miles)	0	0	0
Paved Roads, Manually Rated Area (Sq. Ft.)	0	0	0
Unpaved Roads (Miles)	2.85	0	2.85
Paved Parking (Sq. Ft.)	57,593	0	57,593
Unpaved Parking (Sq. Ft.)	15,233	0	15,233

Cycle 6 Lane Miles and Overall Pavement Condition		
	Lanes Miles*	Pavement Condition Rating**
Data Collection Vehicle Routes	0.72	93
Manually Rated Roads	0	N/A
Parking Areas	0.99	79

\* Equivalent Lane Miles are calculated by route using the following equations:  
 - DCV and MRLs = (PAVE\_WIDTH x PAVED\_MI) / 11 foot lane  
 - MRPs and PKGs = SQ\_FEET / 5280 / 11 foot lane

\*\*Parking and Manually Rated Routes are assigned the following PCR values based on the type of observed distresses:  
 -Excellent = 97      -Good = 90      -Fair = 73  
 -Poor = 53, 30, or 0      -Construction / Not Rated = -1

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## General Park Road Functional Classification (FC) Table

FC	Type	User Access	Description	Route Numbers	Surface Types
1	Principal Park Road Rural Parkway	Public	Roads which constitute the main access route, circulatory tour, or thoroughfare for park visitors. Rural Parkways (e.g. Natchez Trace) are numbered 0001 - 0009.	0001 - 0009 0010 - 0099	AS - Asphaltic Concrete Pavement
2	Connector Park Road	Public	Roads which provide access within a park to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, etc.	0100 - 0199	BR - Brick or Pavers Road Bed CB - Cobble Stone Road Bed
3	Special Purpose Park Road	Public	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.	0200 - 0299	CO - Portland Cement Concrete Pavement GR - Gravel Road Bed
4	Primitive Park Road	Public	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. Note: Functional Classes 3 and 4 have the same route numbers because, historically, they were numbered similarly.	0200 - 0299	NV - Native or Dirt Material Road Bed
5	Administrative Park Road	Public	All public roads intended for access to administrative developments or structures such as park offices, employee quarters, or utility areas.	0400 - 0499	OT - Other Materials Road Bed
6	Administrative Park Road (Restricted Access)	Nonpublic	All roads normally closed to the public, including patrol roads, truck trails, and other similar roads. 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.	0400 - 0499	
7	Urban Parkway	Public	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.	0001 - 0009	
8	City Street	Public	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.	0600 - 0699	
N/A	Non-NPS Roads	Public	State, County, or City owned roads which border, traverse, or provide access to Park Facilities or Locations. Non-NPS roads are not assigned functional classes and are driven for GPS and Video Log only.	5000 - 5999	

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 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.

# NPS / RIP Subcomponent Details for HOFU

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## HOFU Hopewell Furnace National Historic Site

### SUMMARY ROUTE INVENTORY FOR ROADS (1100 SERIES FMSS LOCATIONS)

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description		FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
						From	To						
0405ZZ	31442	6	1		BIRDSBORO WARWICK ROADS	FROM ROUTE 0100 (CARE HOUSE ACCESS ROAD)	TO PARK ROAD	NO	0.08	0.50	0.58	6	

### HOFU-0405ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description		FLTP	Paved Miles	Unpaved Miles	Total Mileage	Functional Class	Area (SQ FT)
						From	To						
0405AZ	31442				BIRDSBORO WARWICK ROAD A	FROM END OF ROUTE 0405BZ (BIRDSBORO WARWICK ROAD B)	TO PARK ROAD	NO	0	0.05	0.05	6	
0405BZ	31442	6	1		BIRDSBORO WARWICK ROAD B	FROM END OF ROUTE 0405CZ (BIRDSBORO WARWICK ROAD C)	TO BEGINNING OF ROUTE 0405AZ (BIRDSBORO WARWICK ROAD A)	NO	0.08	0	0.08	6	
0405CZ	31442				BIRDSBORO WARWICK ROAD C	FROM ROUTE 0100 (CARE HOUSE ACCESS ROAD)	TO END OF ROUTE 0405CZ (BIRDSBORO WARWICK ROAD C)	NO	0	0.45	0.45	6	