

# Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 09/19/2014

(Numerical By Route #)

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Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

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## RICH

**RICHMOND NATIONAL BATTLEFIELD PARK**

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
0303	5	15917		GARTHRIGHT HOUSE ROAD	FROM STATE ROUTE 156 (COLD HARBOR ROAD) TO END OF LOOP AT MP 0.12	N/A	0.11	0.03	0.14	3		AS	1
0304	5	15925		BATTLEFIELD PARK ROAD	FROM STATE ROUTE 5 (NEW MARKET ROAD) TO OSBORNE TURNPIKE	N/A	3.57	0.00	3.57	1		AS	3
0306	5	21551		PICNIC ROAD	FROM ROUTE 0304 (BATTLEFIELD PARK ROAD) TO VARINA ROAD	N/A	0.39	0.00	0.39	2		AS	3
0308	5	21135		HOKE BRADY ROAD	FROM ROUTE 0304 (BATTLEFIELD PARK ROAD) TO ROUTE 0917 (FORT BRADY PARKING)	N/A	2.79	0.00	2.79	1		AS	3
0400	NC	114494		WATT HOUSE LOOP ROAD	FROM ROUTE 0902 (WATT HOUSE PARKING) TO ROUTE 0902 (WATT HOUSE PARKING)	N/A	0.00	0.15	0.15	6		GR	
0401	5	21694		MAINTENANCE WAY	FROM ROUTE 0304 (BATTLEFIELD PARK ROAD) TO ROUTE 0915 (FORT HARRISON RANGER PARKING)	N/A	0.21	0.00	0.21	5		AS	3
0402	NC	21717		MALVERN HILL RESIDENCE ROAD	FROM ROUTE 0920 (MALVERN HILL PARKING) TO PARK BOUNDARY	N/A	0.00	0.20	0.20	6		GR	
0404	NC	15505		COLD HARBOR RESIDENCE ROAD	FROM ROUTE 0500 (COLD HARBOR ROAD) TO PARK BOUNDARY	N/A	0.00	0.08	0.08	5		GR	
0405	5	21553		FORT HARRISON SERVICE ROAD	FROM ROUTE 0911 (PICNIC AREA PARKING) TO FORT HARRISON WELL HOUSE ROAD	N/A	0.24	0.00	0.24	6		AS	3
0407	NC	21702		WATER TOWER ROAD	FROM ROUTE 0401 (MAINTENANCE WAY) TO ROUTE 0401 (MAINTENANCE WAY)	N/A	0.00	0.25	0.25	6		GR	
0408	NC			RURAL PLAINS ACCESS ROAD	FROM ROUTE 0924 (RURAL PLAINS PARKING) TO STUDLEY ROAD	N/A	0.00	0.13	0.13	6		GR	
0500	5	15098		COLD HARBOR ROAD	FROM ROUTE 0903 (COLD HARBOR VISITOR CENTER PARKING) TO STATE ROUTE 156 (COLD HARBOR ROAD)	N/A	1.15	0.00	1.15	3		AS	1
0900	5	79993		CHICKAHOMINY BLUFFS PARKING	FROM US HIGHWAY 360 (MECHANICSVILLE TURNPIKE) TO PARKING	N/A	0.00	0.00	0.00		27,735	AS	1
0901	5	102625		BEAVER DAM CREEK PARKING AREA	FROM STATE ROUTE 156 (COLD HARBOR ROAD) TO PARKING	N/A	0.00	0.00	0.00		30,890	AS	1
0902	5	102655		WATT HOUSE PARKING	FROM PARK BOUNDARY TO ROUTE 0400 (WATT HOUSE LOOP ROAD)	N/A	0.00	0.00	0.00		18,915	AS	1

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Rte. No.	Cycle Collected	FMSS No.	Concess Route	Route Name	From	To	Maint. District	Paved Miles	Un-Paved Miles	Total Route Length	Func. Class	Manual Rated SQ/FT	Surf. Type	Area Maps
0903	5	15465		COLD HARBOR VISITOR CENTER PARKING	FROM STATE ROUTE 156 (COLD HARBOR ROAD)	TO BEGIN ROUTE 0500 (COLD HARBOR ROAD)	N/A	0.00	0.00	0.00		11,055	AS	1
0904	5	102662		CONFEDERATE TURNOUT	ADJACENT TO ROUTE 0500 (COLD HARBOR ROAD)		N/A	0.00	0.00	0.00		1,780	AS	1
0905	5	102664		UNION TURNOUT	FROM ROUTE 0500 (COLD HARBOR ROAD)	TO ROUTE 0500 (COLD HARBOR ROAD)	N/A	0.00	0.00	0.00		4,392	AS	1
0906	5	21726		CHIMBORAZO VISITOR CENTER EMPLOYEE PARKING	FROM 33RD STREET ROUNDABOUT	TO PARKING	N/A	0.00	0.00	0.00		7,372	AS	2
0907	5	22728		FORT GILMER PARKING	FROM ROUTE 0304 (BATTLEFIELD PARK ROAD)	TO ROUTE 0304 (BATTLEFIELD PARK ROAD)	N/A	0.00	0.00	0.00		6,424	AS	3
0908	5	22729		FORT JOHNSON PARKING	ADJACENT TO ROUTE 0304 (BATTLEFIELD PARK ROAD)		N/A	0.00	0.00	0.00		4,271	AS	3
0909	5	21557		FORT HARRISON PARKING	FROM ROUTE 0304 (BATTLEFIELD PARK ROAD)	TO ROUTE 0304 (BATTLEFIELD PARK ROAD)	N/A	0.00	0.00	0.00		25,420	AS	3
0910	5	22731		FORT HOKE PARKING	ADJACENT TO ROUTE 0304 (BATTLEFIELD PARK ROAD)		N/A	0.00	0.00	0.00		3,685	AS	3
0911	5	21552		PICNIC AREA PARKING	FROM ROUTE 0306 (PICNIC ROAD)	TO BEGIN ROUTE 0405 (FORT HARRISON SERVICE ROAD)	N/A	0.00	0.00	0.00		5,663	AS	3
0912	5	102665		PICNIC AREA BUS AND RV PARKING	ADJACENT TO ROUTE 0306 (PICNIC ROAD)		N/A	0.00	0.00	0.00		1,990	AS	3
0913	5	102666		MAINTENANCE AREA	FROM ROUTE 0401 (MAINTENANCE WAY)	TO PARKING	N/A	0.00	0.00	0.00		12,176	AS	3
0914	5	102667		MAINTENANCE AREA EMPLOYEE PARKING	ADJACENT TO 0401 (MAINTENANCE WAY)		N/A	0.00	0.00	0.00		4,188	AS	3
0915	5	106107		FORT HARRISON RANGER PARKING	FROM END OF ROUTE 0401 (MAINTENANCE WAY)	TO PARKING	N/A	0.00	0.00	0.00		1,835	AS	3
0916	NC	102668		FORT HARRISON RANGER VISITOR PARKING	FROM ROUTE 0401 (MAINTENANCE WAY)	TO PARKING	N/A	0.00	0.00	0.00		400	OT	



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## CYCLE 5 SUMMARY TOTALS FOR RICHMOND NATIONAL BATTLEFIELD PARK

<b>CYCLE 5 ROUTE TOTALS</b>	
DCV Driven Route Miles	8.46
Manually Rated Route Miles	0.00
<b>TOTAL PARK ROUTE MILES COLLECTED IN CYCLE 5</b>	<b>8.46</b>
Manually Rated Routes (SQFT)	0
<b>TOTAL UNPAVED PARK ROUTE MILES</b>	<b>0.84</b>

<b>CYCLE 5 CONCESSION TOTALS</b>	
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

<b>* CYCLE 5 PARKING AREA TOTALS</b>	
Paved Parking (SQFT)	215,913
Unpaved Parking (SQFT)	6,310
<b>TOTAL PARKING (SQFT)</b>	<b>222,223</b>

<b>CYCLE 5 WEIGHTED AVERAGE PARK VALUES</b>	
DCV Driven PCR	92
**Manually Rated Routes PCR	N/A
**Parking PCR	78
<b>***Total Equivalent Lane Miles</b>	<b>16.51</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.

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## 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.

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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**