

Cycle 6 NPS / RIP Route ID Report

(Numerical By Summary Route and Subcomponent #)



Shading Color Key

White = Paved Routes, DCV Driven

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RICH Richmond National Battlefield Park

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									
0200	6	1	21710		MALVERN HILL TOUR ROAD	FROM STATE HIGHWAY 156 (WILLIS CHURCH ROAD)	TO BEGINNING OF ROUTE 0402 (MALVERN HILL CREWE HOUSE FARM ROAD)		YES	0.08	0	0.08	3		AS	4
0303	6	1	15917		GARTHRIGHT HOUSE ROAD	FROM STATE HIGHWAY 156 (COLD HARBOR ROAD)	TO END OF LOOP AT MP 0.12		YES	0.11	0	0.11	3		AS	3
0304	6	1	15925		BATTLEFIELD PARK ROAD	FROM STATE HIGHWAY 5 (NEW MARKET ROAD)	TO OSBORNE TURNPIKE		YES	3.57	0	3.57	1		AS	2,2A
0306	6	1	21551		PICNIC ROAD	FROM ROUTE 0304 (BATTLEFIELD PARK ROAD)	TO VARINA ROAD		YES	0.39	0	0.39	2		AS	2A
0308	6	1	21135		HOKE BRADY ROAD	FROM ROUTE 0304 (BATTLEFIELD PARK ROAD)	TO ROUTE 0917 (FORT BRADY PARKING)		YES	2.79	0	2.79	1		AS	2
0400	6	1	114494		WATT HOUSE LOOP ROAD	FROM ROUTE 0902 (WATT HOUSE PARKING)	TO ROUTE 0902 (WATT HOUSE PARKING)		NO	0	0.14	0.14	6		GR	3
0401	6	1	21694		MAINTENANCE WAY ROAD	FROM ROUTE 0304 (BATTLEFIELD PARK ROAD)	TO ROUTE 0407 (WATER TOWER ROAD)		YES	0.21	0	0.21	5		AS	2A
0402	6	1	21717		MALVERN HILL CREWE HOUSE FARM ROAD	FROM END OF ROUTE 0200 (MALVERN HILL TOUR ROAD)	TO END OF LOOP		NO	0	0.16	0.16	6		GR	4
0404	6	1	15505		COLD HARBOR RESIDENCE ROAD	FROM ROUTE 0500 (ANDERSON-WRIGHT DRIVE)	TO PARK BOUNDARY		NO	0	0.08	0.08	5		GR	3
0405	6	1	21553		FORT HARRISON SERVICE ROAD	FROM ROUTE 0911 (PICNIC AREA PARKING)	TO FORT HARRISON WELL HOUSE ROAD		NO	0.24	0	0.24	6		AS	2A
0407	6	1	21702		WATER TOWER ROAD	FROM ROUTE 0401 (MAINTENANCE WAY ROAD)	TO ROUTE 0401 (MAINTENANCE WAY ROAD)		NO	0	0.15	0.15	6		GR	2A
0408	6	1			RURAL PLAINS ACCESS ROAD	FROM ROUTE 0924 (RURAL PLAINS PARKING)	TO STUDLEY ROAD		NO	0	0.14	0.14	6		GR	1
0500	6	1	15098		ANDERSON-WRIGHT DRIVE	FROM ROUTE 0903 (COLD HARBOR VISITOR CENTER PARKING)	TO STATE HIGHWAY 156 (COLD HARBOR ROAD)		YES	1.15	0	1.15	3		AS	3

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RICH *Richmond National Battlefield Park*

PARKING AREA INVENTORY (1300 SERIES FMSS LOCATIONS)

Route No.	Cycle Collected	Iteration Collected	FMSS Number	Concession	Route Name	Route Description		Maintenance District	FLTP	Access Level	Area (SQ FT)	Surf. Type	Area Map
						From	To						
0900	6	1	79993		CHICKAHOMINY BLUFFS PARKING	FROM U.S. HIGHWAY 360 (MECHANICSVILLE TURNPIKE)	TO PARKING		YES	PUBLIC	27,771	AS	1
0901	6	1	102625		BEAVER DAM CREEK PARKING AREA	FROM STATE HIGHWAY 156 (COLD HARBOR ROAD)	TO PARKING		YES	PUBLIC	32,775	AS	1
0902	6	1	102655		WATT HOUSE PARKING	FROM PARK BOUNDARY	TO ROUTE 0400 (WATT HOUSE LOOP ROAD)		YES	PUBLIC	22,440	AS	3
0903	6	1	15465		COLD HARBOR VISITOR CENTER PARKING	FROM STATE HIGHWAY 156 (COLD HARBOR ROAD)	TO BEGIN ROUTE 0500 (ANDERSON-WRIGHT DRIVE)		YES	PUBLIC	10,965	AS	3
0904	6	1	102662		CONFEDERATE TURNOUT	ADJACENT TO ROUTE 0500 (ANDERSON-WRIGHT DRIVE)			YES	PUBLIC	2,406	AS	3
0905	6	1	102664		UNION TURNOUT	FROM ROUTE 0500 (ANDERSON-WRIGHT DRIVE)	TO ROUTE 0500 (ANDERSON-WRIGHT DRIVE)		YES	PUBLIC	4,232	AS	3
0906	6	1	21726		CHIMBORAZO VISITOR CENTER EMPLOYEE PARKING	FROM 33RD STREET ROUNDABOUT	TO PARKING		NO	NONPUBLIC	7,324	AS	1
0907	6	1	22728		FORT GILMER PARKING	FROM ROUTE 0304 (BATTLEFIELD PARK ROAD)	TO ROUTE 0304 (BATTLEFIELD PARK ROAD)		YES	PUBLIC	6,427	AS	2
0908	6	1	22729		FORT JOHNSON PARKING	ADJACENT TO ROUTE 0304 (BATTLEFIELD PARK ROAD)			YES	PUBLIC	4,273	AS	2A
0909	6	1	21557		FORT HARRISON PARKING	FROM ROUTE 0304 (BATTLEFIELD PARK ROAD)	TO ROUTE 0304 (BATTLEFIELD PARK ROAD)		YES	PUBLIC	25,433	AS	2A
0910	6	1	22731		FORT HOKE PARKING	ADJACENT TO ROUTE 0304 (BATTLEFIELD PARK ROAD)			YES	PUBLIC	3,687	AS	2
0911	6	1	21552		PICNIC AREA PARKING	FROM ROUTE 0306 (PICNIC ROAD)	TO BEGIN ROUTE 0405 (FORT HARRISON SERVICE ROAD)		YES	PUBLIC	5,665	AS	2A
0912	6	1	102665		PICNIC AREA BUS AND RV PARKING	ADJACENT TO ROUTE 0306 (PICNIC ROAD)			YES	PUBLIC	1,991	AS	2A
0913	6	1	102666		MAINTENANCE AREA	FROM ROUTE 0401 (MAINTENANCE WAY ROAD)	TO PARKING		NO	NONPUBLIC	18,800	AS	2A

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					From	To						
0914	6	1	102667		MAINTENANCE AREA EMPLOYEE PARKING	ADJACENT TO ROUTE 0401 (MAINTENANCE WAY ROAD)		NO	NONPUBLIC	3,212	AS	2A
0916	6	1	102668		FORT HARRISON RANGER VISITOR PARKING	FROM ROUTE 0401 (MAINTENANCE WAY ROAD) TO ROUTE 0407 (WATER TOWER ROAD)		NO	PUBLIC	12,808	GR	2A
0917	6	1	21757		FORT BRADY PARKING	FROM ROUTE 0308 (HOKE BRADY ROAD) TO HOKE BRADY ROAD		YES	PUBLIC	6,087	AS	2
0918	6	1	102658		DREWRY'S BLUFF PARKING	FROM FORT DARLING ROAD TO PARKING		YES	PUBLIC	19,474	AS	2
0919	6	1	15688		PARKERS BATTERY PARKING	FROM WARE BOTTOM SPRING ROAD TO PARKING		YES	PUBLIC	6,998	AS	2
0920	6	1	21712		MALVERN HILL PARKING	FROM ROUTE 0200 (MALVERN HILL TOUR ROAD) TO ROUTE 0200 (MALVERN HILL TOUR ROAD)		YES	PUBLIC	9,872	AS	4
0921	6	1	97027		PARSONAGE PARKING	FROM STATE HIGHWAY 156 (WILLIS CHURCH ROAD) TO PARKING		NO	PUBLIC	5,062	GR	4
0924	6	1			RURAL PLAINS PARKING	FROM STUDLEY ROAD TO ROUTE 0408 (RURAL PLAINS ACCESS ROAD)		NO	PUBLIC	9,931	GR	1

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Cycle 6 Summary Totals for Richmond National Battlefield Park

Cycle 6 Route Totals			
	NPS Maintained	Concessionaire Maintained	Park Totals
Paved Roads, Data Collection Vehicle Rated (Miles)	8.30	0	8.30
Paved Roads, Manually Rated Length (Miles)	0.24	0	0.24
Paved Roads, Manually Rated Area (Sq. Ft.)	0	0	0
Unpaved Roads (Miles)	0.67	0	0.67
Paved Parking (Sq. Ft.)	219,832	0	219,832
Unpaved Parking (Sq. Ft.)	27,801	0	27,801

Cycle 6 Lane Miles and Overall Pavement Condition		
	Lanes Miles*	Pavement Condition Rating**
Data Collection Vehicle Routes	12.68	95
Manually Rated Roads	0.22	90
Parking Areas	3.78	73

* 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
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	GR - Gravel Road Bed 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.