

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

Green = Unpaved Parking Areas

DCV = Data Collection Vehicle
 MRL = Manually Rated Line
 MRP = Manually Rated Polygon
 PKG = Parking Areas
 NC = Not Collected

MIMA Minute Man National Historical 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									
0201	6	1	107003		OLD BEDFORD ROAD	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO VIRGINIA ROAD TRAIL AT GATE		YES	0.09	0.00	0.09	4		AS	2
0430	6	1	226645		MANUEL DRIVE	FROM ROUTE 5001 (LEXINGTON ROAD)	TO END OF LOOP		YES	0.22	0.00	0.22	5		AS	2
0431	6	1	81695		BUTTRICK ESTATE SERVICE DRIVE	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO PARK BOUNDARY		NO	0.00	0.06	0.06	6		GR	2
0432	NC		115813		CAPTAIN WILLIAM SMITH HOUSE ACCESS	FROM N GREAT ROAD	TO END OF ROUTE		NO	0.00	0.07	0.07	6		NV	2
0433ZZ	NC		63940		1775 BATTLE ROAD	FROM ROUTE 0940 (WHITTEMORE HOUSE PARKING)	TO ROUTE 0201 (OLD BEDFORD ROAD)		NO	0.00	1.33	1.33	6		GR	2

NON-NPS ROADS INVENTORY

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									
5000	5	1	107006		MASSACHUSETTS STATE HIGHWAY 2A	FROM MASSACHUSETTS AVENUE	TO INTERSECTION OF BYPASS ROAD AND PRIVATE DRIVEWAY		NO	2.67	0.00	2.67			AS	2,3
5001	5	1	107001		LEXINGTON ROAD	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO BEGIN ROUTE 5002 (LOWELL ROAD)		NO	2.27	0.00	2.27			AS	1,2
5002	5	1			LOWELL ROAD	FROM END OF ROUTE 5001 (LEXINGTON ROAD)	TO BEGIN ROUTE 5003 (BARRETS MILL ROAD) ON LEFT		NO	1.19	0.00	1.19			AS	1
5003	5	1			BARRETS MILL ROAD	FROM END OF ROUTE 5002 (LOWELL ROAD) ON LEFT	TO LEE DRIVE		NO	1.07	0.00	1.07			AS	1

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

Green = Unpaved Parking Areas

DCV = Data Collection Vehicle
 MRL = Manually Rated Line
 MRP = Manually Rated Polygon
 PKG = Parking Areas
 NC = Not Collected

MIMA Minute Man National Historical Park

NON-NPS ROADS INVENTORY

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									
5004	5	1			AIRPORT DRIVE	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO INTERSECTION WITH PRIVATE DRIVEWAY ON LEFT		NO	0.38	0.00	0.38			AS	3
5005	5	1			MILL STREET	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO INTERSECTION WITH PRIVATE DRIVEWAY ON LEFT		NO	0.12	0.00	0.12			AS	3
5006	5	1			HANSCOM DRIVE	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO PARK BOUNDARY		NO	0.07	0.00	0.07			AS	3
5007	5	1			OLD BEDFORD ROAD (NON NPS)	FROM ROUTE 5001 (LEXINGTON ROAD)	TO INTERSECTION WITH PRIVATE DRIVEWAY ON RIGHT		NO	0.15	0.00	0.15			AS	2
5008	5	1			MONUMENT STREET	FROM ROUTE 5001 (LEXINGTON ROAD)	TO BEGIN ROUTE 5009 (LIBERTY STREET) ON LEFT		NO	0.89	0.00	0.89			AS	1
5009	5	1			LIBERTY STREET	FROM END OF ROUTE 5008 (MONUMENT STREET) ON LEFT	TO ROUTE 5002 (LOWELL ROAD)		NO	0.57	0.00	0.57			AS	1
5200	5	1			OLD MASSACHUSETTS AVENUE	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO WOOD STREET		NO	0.51	0.00	0.51			AS	3

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	63961		NORTH BRIDGE VISITOR CENTER	FROM ROUTE 5009 (LIBERTY STREET)	TO ROUTE 5009 (LIBERTY STREET)		YES	PUBLIC	22,905	AS	1
0901	6	1	63963		NORTH BRIDGE PARKING	FROM ROUTE 5008 (MONUMENT STREET)	TO ROUTE 5008 (MONUMENT STREET)		YES	PUBLIC	32,157	AS	1
0902	6	1	105084		DELIVERY ACCESS PARKING	FROM ROUTE 5009 (LIBERTY STREET)	TO PARKING		NO	NONPUBLIC	10,101	AS	1

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

Green = Unpaved Parking Areas

DCV = Data Collection Vehicle
 MRL = Manually Rated Line
 MRP = Manually Rated Polygon
 PKG = Parking Areas
 NC = Not Collected

MIMA Minute Man National Historical Park

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	
					Route Name	From							To
0903	6	1	104957		MAINTENANCE BARN PARKING	FROM ROUTE 5009 (LIBERTY STREET)	TO PARKING		NO	NONPUBLIC	2,900	AS	1
0904	6	1	104955		MAINTENANCE VEHICLE PARKING	FROM ROUTE 0902 (DELIVERY ACCESS PARKING)	TO PARKING		NO	NONPUBLIC	1,893	AS	1
0907	6	1	63984		WAYSIDE PARKING	FROM HAWTHORNE LANE	TO PARKING		YES	PUBLIC	13,767	AS	2
0911	6	1	64069		MERIAMS CORNER PARKING	FROM ROUTE 5001 (LEXINGTON ROAD)	TO ROUTE 5001 (LEXINGTON ROAD)		YES	PUBLIC	12,270	AS	2
0918	6	1	64104		SAMUEL BROOKS UNPAVED PARKING	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO ROUTE 0942 (SAMUEL BROOKS ACCESSIBLE PARKING)		NO	PUBLIC	6,951	GR	2
0924ZZ	6	1	107104		RANGER STATION PARKING	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO PARKING		NO	PUBLIC	18,442	GR	2
0925	NC		107105		HARTWELL TAVERN / MCHUGH BARN ACCESS	FROM ROUTE 0433BZ (1775 BATTLE ROAD B)	TO ROUTE 0433BZ (1775 BATTLE ROAD B)		NO	NONPUBLIC	5,862	GR	2
0926ZZ	6	1	64172		HARTWELL PARKING AREAS	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO PARKING		YES	PUBLIC	51,989	AS	2
0928	6	1	64215		PAUL REVERE CAPTURE SITE UNPAVED PARKING	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A) AND ROUTE 0943 (PAUL REVERE CAPTURE SITE ACCESSIBLE PARKING)		NO	PUBLIC	19,904	GR	3
0930	6	1	64228		MINUTEMAN VISITOR CENTER PARKING	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO PARKING		YES	PUBLIC	50,891	AS	3
0932	6	1	107107		MINUTEMAN VISITOR CENTER SERVICE PARKING	FROM ROUTE 5004 (AIRPORT DRIVE)	TO PARKING		YES	PUBLIC	8,421	AS	3
0933	6	1	63975		FISKE HILL UNPAVED PARKING	FROM ROUTE 5200 (OLD MASSACHUSETTS AVENUE)	TO ROUTE 0944 (FISKE HILL ACCESSIBLE PARKING)		NO	PUBLIC	7,024	GR	3
0934	6	1	107108		SARGENT FIELD 05-103	FROM ROUTE 5008 (MONUMENT STREET)	TO PARKING		NO	PUBLIC	71,616	NV	1
0935	6	1	65102		EBENEZER FISKE UNPAVED PARKING	FROM ROUTE 5200 (OLD MASSACHUSETTS AVENUE)	TO ROUTE 0945 (EBENEZER FISKE ACCESSIBLE PARKING)		NO	PUBLIC	5,421	GR	3

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

Green = Unpaved Parking Areas

DCV = Data Collection Vehicle
 MRL = Manually Rated Line
 MRP = Manually Rated Polygon
 PKG = Parking Areas
 NC = Not Collected

MIMA Minute Man National Historical Park

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							
0936	6	1	81641		NOAH BROOKS PARKING	FROM ROUTE 0937 (NOAH BROOKS PAVED PARKING)	TO PARKING		NO	PUBLIC	49,548	NV	2
0937	6	1	107110		NOAH BROOKS PAVED PARKING	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO ROUTE 0936 (NOAH BROOKS PARKING)		YES	PUBLIC	3,339	AS	2
0940	6	1	111812		WHITTEMORE HOUSE PARKING	FROM ROUTE 5004 (AIRPORT DRIVE)	TO PARKING		NO	PUBLIC	1,758	NV	3
0941	6	1	111813		JOSHUA BROOKS PARKING	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO PARKING		YES	PUBLIC	4,807	AS	2
0942	6	1	252944		SAMUEL BROOKS ACCESSIBLE PARKING	FROM ROUTE 0918 (SAMUEL BROOKS UNPAVED PARKING)	TO PARKING		YES	PUBLIC	340	CO	2
0943	6	1	252941		PAUL REVERE CAPTURE SITE ACCESSIBLE PARKING	FROM ROUTE 0928 (PAUL REVERE CAPTURE SITE UNPAVED PARKING)	TO PARKING		YES	PUBLIC	425	CO	3
0944	6	1	252948		FISKE HILL ACCESSIBLE PARKING	FROM ROUTE 0933 (FISKE HILL UNPAVED PARKING)	TO PARKING		YES	PUBLIC	492	CO	3
0945	6	1	252945		EBENEZER FISKE ACCESSIBLE PARKING	FROM ROUTE 0935 (EBENEZER FISKE UNPAVED PARKING)	TO PARKING		YES	PUBLIC	419	CO	3
0946	6	1	241061		JONES/STOW FARM PAVED PARKING	FROM ROUTE 5001 (LEXINGTON ROAD)	TO ROUTE 5001 (LEXINGTON ROAD)		YES	PUBLIC	10,634	AS	2

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

Green = Unpaved Parking Areas

DCV = Data Collection Vehicle
MRL = Manually Rated Line
MRP = Manually Rated Polygon
PKG = Parking Areas
NC = Not Collected

Cycle 6 Summary Totals for Minute Man National Historical Park

Cycle 6 Route Totals

	NPS Maintained	Concessionaire Maintained	Park Totals
Paved Roads, Data Collection Vehicle Rated (Miles)	0.22	0	0.22
Paved Roads, Manually Rated Length (Miles)	0.09	0	0.09
Paved Roads, Manually Rated Area (Sq. Ft.)	0	0	0
Unpaved Roads (Miles)	1.47	0	1.47
Paved Parking (Sq. Ft.)	227,750	0	227,750
Unpaved Parking (Sq. Ft.)	186,526	0	186,526

Cycle 6 Lane Miles and Overall Pavement Condition

	Lanes Miles*	Pavement Condition Rating**
Data Collection Vehicle Routes	0.40	90
Manually Rated Roads	0.13	30
Parking Areas	3.92	86

* Equivalent Lane Miles are calculated by route using the following equations:

- DCV and MRLs = $(PAVE_WIDTH \times PAVED_MI) / 11$ 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

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

Green = Unpaved Parking Areas

DCV = Data Collection Vehicle
 MRL = Manually Rated Line
 MRP = Manually Rated Polygon
 PKG = Parking Areas
 NC = Not Collected

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.

NPS / RIP Subcomponent Details for MIMA

(Numerical By Summary Route and Subcomponent #)



Shading Color Key

White = Paved Routes, DCV Driven

Grey = Paved Routes, DCV not Driven

Black = Paved Routes, Non-NPS

■ = Concession Route

Yellow = Unpaved Routes, DCV not Driven

Blue = Paved Parking Areas

Green = Unpaved Parking Areas

DCV = Data Collection Vehicle
 MRL = Manually Rated Line
 MRP = Manually Rated Polygon
 PKG = Parking Areas
 NC = Not Collected

MIMA Minute Man National Historical Park

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						
0433ZZ	63940				1775 BATTLE ROAD	FROM ROUTE 0940 (WHITTEMORE HOUSE PARKING)	TO ROUTE 0201 (OLD BEDFORD ROAD)	NO	0.00	1.33	1.33	6	

SUMMARY ROUTE INVENTORY FOR PARKING AREAS (1300 SERIES FMSS LOCATIONS)

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description		FLTP	User Access	Area (SQ FT)
						From	To			
0924ZZ	107104	6	1		RANGER STATION PARKING	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO PARKING	YES	PUBLIC	18,442
0926ZZ	64172	6	1		HARTWELL PARKING AREAS	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO PARKING	YES	PUBLIC	51,989

MIMA-0433ZZ 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						
0433AZ	63940				1775 BATTLE ROAD A	FROM ROUTE 0940 (WHITTEMORE HOUSE PARKING)	TO BATTLE ROAD TRAIL	NO	0.00	0.54	0.54	6	
0433BZ	63940				1775 BATTLE ROAD B	FROM ROUTE 0432 (CAPTAIN WILLIAM SMITH HOUSE ACCESS)	TO ROUTE 0201 (OLD BEDFORD ROAD)	NO	0.00	0.80	0.80	6	

NPS / RIP Subcomponent Details for MIMA

(Numerical By Summary Route and Subcomponent #)



Shading Color Key

White = Paved Routes, DCV Driven

Grey = Paved Routes, DCV not Driven

Black = Paved Routes, Non-NPS

■ = Concession Route

Yellow = Unpaved Routes, DCV not Driven

Blue = Paved Parking Areas

Green = Unpaved Parking Areas

DCV = Data Collection Vehicle
 MRL = Manually Rated Line
 MRP = Manually Rated Polygon
 PKG = Parking Areas
 NC = Not Collected

MIMA Minute Man National Historical Park

MIMA-0924ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description		FLTP	User Access	Area (SQ FT)
						From	To			
0924AZ	107104	6	1		RANGER STATION VISITOR PARKING	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO ROUTE 0924BZ (RANGER STATION PARKING B)	NO	PUBLIC	13,951
0924BZ	107104	6	1		RANGER STATION PARKING B	FROM ROUTE 0924AZ (RANGER STATION VISITOR PARKING)	TO PARKING	YES	PUBLIC	4,491

MIMA-0926ZZ Subcomponent Breakdown

Route Number	FMSS Number	Cycle Collected	Iteration Collected	Concession	Route Name	Route Description		FLTP	User Access	Area (SQ FT)
						From	To			
0926AZ	64172	6	1		HARTWELL PARKING A	FROM ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	TO ROUTE 5000 (MASSACHUSETTS STATE HIGHWAY 2A)	YES	PUBLIC	25,844
0926BZ	64172	6	1		HARTWELL PARKING B	FROM ROUTE 0926AZ (HARTWELL PARKING A)	TO PARKING	YES	PUBLIC	26,145