

Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 10/23/2014

(Numerical By Route #)

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Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

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** DCV - Data Collection Vehicle

NC - Not Collected

HALE

HALEAKALA NATIONAL 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
0405	5	97654		KIPAHULU ROAD TO WATER TANK	FROM ROUTE 5036 (STATE ROUTE 36 / HANA HIGHWAY) TO END OF LOOP NEAR WATER TANK	KIPAHULU	0.17	0.31	0.48	6	7,719	CO	2
0900ZZ	5	31833		HEADQUARTERS VISITOR PARKING AREAS	FROM ROUTE 0010 (HALEAKALA PARK ROAD) TO ROUTE 0913 (HEADQUARTERS EMPLOYEE PARKING LOT)	SUMMIT	0.00	0.00	0.00		14,108	AS	1
0901	5	31835		HALEMAU'U 8,000 FOOT TRAILHEAD PARKING	FROM ROUTE 0010 (HALEAKALA PARK ROAD) AT MP 4.55 TO PARKING	SUMMIT	0.00	0.00	0.00		12,176	AS	1
0902	5	31836		LELEIWI OVERLOOK PARKING	FROM ROUTE 0010 (HALEAKALA PARK ROAD) AT MP 7.27 TO ROUTE 0010 (HALEAKALA PARK ROAD) AT MP 7.32	SUMMIT	0.00	0.00	0.00		8,178	AS	1
0903ZZ	5	31830		HALEAKALA VISITOR CENTER PARKING AREAS (CRATER RIM)	FROM END OF ROUTE 0010 (HALEAKALA PARK ROAD) AND ADJACENT TO ROUTE 0100 (RED HILL ROAD) TO PARKING	SUMMIT	0.00	0.00	0.00		46,088	AS	1
0904	5	31831		RED HILL SUMMIT PARKING LOT	FROM END OF ROUTE 0100 (RED HILL ROAD) TO PARKING	SUMMIT	0.00	0.00	0.00		20,100	AS	1
0905ZZ	5	31837		KALAHAKU OVERLOOK PARKING AREAS	ADJACENT TO ROUTE 0201 (KALAHAKU OVERLOOK ROAD)	SUMMIT	0.00	0.00	0.00		5,557	AS	1
0906ZZ	5	31832		HOSMER GROVE CAMPGROUND PARKING AREAS	FROM ROUTE 0202 (HOSMER GROVE ROAD) TO PARKING	SUMMIT	0.00	0.00	0.00		13,597	AS	1
0907	NC	39534		PU'U NIANIAU MAINTENANCE YARD PARKING	FROM END OF ROUTE 0401 (MAINTENANCE YARD SERVICE ROAD) TO PARKING	SUMMIT	0.00	0.00	0.00		1,400	GR	
0908ZZ	5	102613		PU'U NIANIAU RESIDENCE PARKING AREAS	ADJACENT TO ROUTE 0402 (SEASONAL HOUSING PARKING SPUR ROAD)	SUMMIT	0.00	0.00	0.00		3,039	AS	1
0910	5	39535		KIPAHULU VISITOR CENTER PARKING	FROM ROUTE 5036 (STATE ROUTE 36 / HANA HIGHWAY) TO PARKING	KIPAHULU	0.00	0.00	0.00		50,288	CO	2
0911	NC	39536		KIPAHULU VISITOR CENTER OVERFLOW PARKING	FROM ROUTE 0203 (KIPAHULU CAMPGROUND AND PICNIC ACCESS ROAD) TO PARKING	KIPAHULU	0.00	0.00	0.00		30,000	NV	

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CYCLE 5 SUMMARY TOTALS FOR HALEAKALA NATIONAL PARK

CYCLE 5 ROUTE TOTALS

DCV Driven Route Miles	12.32
Manually Rated Route Miles	0.32
TOTAL PARK ROUTE MILES COLLECTED IN CYCLE 5	12.64
Manually Rated Routes (SQFT)	7,295
TOTAL UNPAVED PARK ROUTE MILES	1.02

CYCLE 5 CONCESSION TOTALS

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

* CYCLE 5 PARKING AREA TOTALS

Paved Parking (SQFT)	186,058
Unpaved Parking (SQFT)	58,010
TOTAL PARKING (SQFT)	244,068

CYCLE 5 WEIGHTED AVERAGE PARK VALUES

DCV Driven PCR	85
**Manually Rated Routes PCR	81
**Parking PCR	89
***Total Equivalent Lane Miles	27.15

* - 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.

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 HALE

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HALEAKALA NATIONAL PARK

Rte. No.	FMSS No.	Cycle Collected	Route Description		Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT	
			Route Name	From							To
0204ZZ	97853	5	KAPAHU FARM SERVICE ROAD	FROM ROUTE 5036 (STATE ROUTE 36 / HANA HIGHWAY)	TO END		6	0.07	0.38	0.45	1,478
0900ZZ	31833	5	HEADQUARTERS VISITOR PARKING AREAS	FROM ROUTE 0010 (HALEAKALA PARK ROAD)	TO ROUTE 0913 (HEADQUARTERS EMPLOYEE PARKING LOT)			0.00	0.00	0.00	14,108
0903ZZ	31830	5	HALEAKALA VISITOR CENTER PARKING AREAS (CRATER RIM)	FROM END OF ROUTE 0010 (HALEAKALA PARK ROAD) AND ADJACENT TO ROUTE 0100 (RED HILL ROAD)	TO PARKING			0.00	0.00	0.00	46,088
0905ZZ	31837	5	KALAHAKU OVERLOOK PARKING AREAS	ADJACENT TO ROUTE 0201 (KALAHAKU OVERLOOK ROAD)				0.00	0.00	0.00	5,557
0906ZZ	31832	5	HOSMER GROVE CAMPGROUND PARKING AREAS	FROM ROUTE 0202 (HOSMER GROVE ROAD)	TO PARKING			0.00	0.00	0.00	13,597
0908ZZ	102613	5	PU'U NIANIAU RESIDENCE PARKING AREAS	ADJACENT TO ROUTE 0402 (SEASONAL HOUSING PARKING SPUR ROAD)				0.00	0.00	0.00	3,039

HALE-0204ZZ Subcomponent Breakdown

Rte. No.	FMSS No.	Cycle Collected	Route Description		Concess Route	Func. Class	Paved Miles	Un-Paved Miles	Total Route Length	Manual Rated SQ/FT	
			Route Name	From							To
0204AZ	97853	NC	KAPAHU FARM SERVICE ROAD (UNPAVED SECTION 1)	FROM ROUTE 5036 (STATE ROUTE 36 / HANA HIGHWAY)	TO ROUTE 0204BZ (KAPAHU FARM SERVICE ROAD (PAVED SECTION 1))		6	0.00	0.16	0.16	
0204BZ	97853	5	KAPAHU FARM SERVICE ROAD (PAVED SECTION 1)	FROM ROUTE 0204AZ (KAPAHU FARM SERVICE ROAD (UNPAVED SECTION 1))	TO ROUTE 0204CZ (KAPAHU FARM SERVICE ROAD (UNPAVED SECTION 2))		6	0.03	0.00	0.03	697
0204CZ	97853	NC	KAPAHU FARM SERVICE ROAD (UNPAVED SECTION 2)	FROM ROUTE 0204BZ (KAPAHU FARM SERVICE ROAD (PAVED SECTION 1))	TO ROUTE 0204DZ (KAPAHU FARM SERVICE ROAD (PAVED SECTION 2))		6	0.00	0.14	0.14	
0204DZ	97853	5	KAPAHU FARM SERVICE ROAD (PAVED SECTION 2)	FROM ROUTE 0204CZ (KAPAHU FARM SERVICE ROAD (UNPAVED SECTION 2))	TO ROUTE 0204EZ (KAPAHU FARM SERVICE ROAD (UNPAVED SECTION 3))		6	0.04	0.00	0.04	781
0204EZ	97853	NC	KAPAHU FARM SERVICE ROAD (UNPAVED SECTION 3)	FROM ROUTE 0204DZ (KAPAHU FARM SERVICE ROAD (PAVED SECTION 2))	TO END		6	0.00	0.08	0.08	

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HALE

HALEAKALA NATIONAL PARK

HALE-0900ZZ 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
0900AZ	31833	5	HEADQUARTERS VISITOR PARKING A	FROM ROUTE 0010 (HALEAKALA PARK ROAD) AT MP 1.03 (ON RIGHT)	TO ROUTE 0913 (HEADQUARTERS EMPLOYEE PARKING LOT)			0.00	0.00	0.00	11,113
0900BZ	31833	5	HEADQUARTERS VISITOR PARKING B	ADJACENT TO ROUTE 0010 (HALEAKALA PARK ROAD) AT MP 1.06 (ON LEFT)			0.00	0.00	0.00	2,995	

HALE-0903ZZ 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
0903AZ	31830	5	HALEAKALA VISITOR CENTER PARKING A (CRATER RIM)	FROM END OF ROUTE 0010 (HALEAKALA PARK ROAD)	TO PARKING			0.00	0.00	0.00	44,003
0903BZ	31830	5	HALEAKALA VISITOR CENTER PARKING B (CRATER RIM)	ADJACENT TO ROUTE 0100 (RED HILL ROAD)			0.00	0.00	0.00	2,085	

HALE-0905ZZ 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
0905AZ	31837	5	KALAHAKU OVERLOOK PARKING A	ADJACENT TO ROUTE 0201 (KALAHAKU OVERLOOK ROAD) AT MP 0.20			0.00	0.00	0.00	4,239	
0905BZ	31837	5	KALAHAKU OVERLOOK PARKING B	ADJACENT TO ROUTE 0201 (KALAHAKU OVERLOOK ROAD) AT MP 0.24			0.00	0.00	0.00	1,318	

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HALE

HALEAKALA NATIONAL PARK

HALE-0906ZZ 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
0906AZ	31832	5	HOSMER GROVE CAMPGROUND PARKING A	FROM END OF ROUTE 0202 (HOSMER GROVE SPUR ROAD)	TO PARKING			0.00	0.00	0.00	7,003
0906BZ	31832	5	HOSMER GROVE CAMPGROUND PARKING B	FROM ROUTE 0202 (HOSMER GROVE SPUR ROAD) AT MP 0.42	TO PARKING			0.00	0.00	0.00	4,736
0906CZ	31832	5	HOSMER GROVE CAMPGROUND PARKING C	ADJACENT TO ROUTE 0202 (HOSMER GROVE SPUR ROAD) AT MP 0.23				0.00	0.00	0.00	1,858

HALE-0908ZZ 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
0908AZ	102613	5	PU'U NIANIAU RESIDENCE PARKING	ADJACENT TO ROUTE 0402 (SEASONAL HOUSING PARKING SPUR ROAD)				0.00	0.00	0.00	1,310
0908BZ	102613	5	PU'U NIANIAU RESIDENCE OVERFLOW PARKING	ADJACENT TO ROUTE 0402 (SEASONAL HOUSING PARKING SPUR ROAD)				0.00	0.00	0.00	1,729