

Cycle 5 NPS/RIP Route ID Report

Road Inventory Program 11/17/2014

(Numerical By Route #)

Page 2 of 10

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

■ = Concession Route Flag ON

*Unpaved route data was obtained from NPS and was not inventoried by the Road Inventory Program (RIP).

** DCV - Data Collection Vehicle

NC - Not Collected

HAVO

HAWAII VOLCANOES 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
0205	5	22600		TREE MOLDS ROAD	FROM ROUTE 0100A (MAUNA LOA ROAD) AT MP 0.17 ON RIGHT TO END OF LOOP	KILAUEA	0.56	0.00	0.56	2		AS	1
0208	5	42507		MAUNA ULU ACCESS ROAD	FROM ROUTE 0012 (CHAIN OF CRATERS ROAD) AT MP 3.66 ON LEFT TO END OF LOOP	KILAUEA	0.54	0.00	0.54	2		AS	3
0209	5	42508		PUU PUI OVERLOOK ROAD	FROM ROUTE 0010 (CRATER RIM DRIVE) AT MP 7.86 ON LEFT TO ROUTE 0914 (PUU PUI PARKING)	KILAUEA	0.20	0.00	0.20	2		AS	1
0211	5	42510		STEAM VENTS ROAD	FROM ROUTE 0010 (CRATER RIM DRIVE) AT MP 1.06 ON LEFT TO ROUTE 0010 (CRATER RIM DRIVE) AT MP 0.95 ON LEFT	KILAUEA	0.12	0.00	0.12	2		AS	1
0213	5	88336		KAHUKU ROAD	FROM HAWAII STATE ROUTE 11 (HAWAII BELT ROAD / MAMALAHOA HIGHWAY) TO ROUTE 0934 (KAHUKU ADMINISTRATIVE PARKING)	KAHUKU	0.56	18.00	18.56	2	51,668	AS	5
0214	5	113874		KILAUEA MILITARY CAMP ROAD	FROM ROUTE 0010 (CRATER RIM DRIVE) AT MP 1.49 ON RIGHT TO ROUTE 5011 (HAWAII STATE ROUTE 11 (HAWAII BELT ROAD / MAMALAHOA HIGHWAY)) AT MP 2.59 ON LEFT	KILAUEA	0.20	0.00	0.20	3		AS	1,1B
0215ZZ	5	239127		KILAUEA MILITARY CAMP ROADS	FROM ROUTE 0010 (CRATER RIM DRIVE) AND 0214 (KILAUEA MILITARY CAMP ROAD) THROUGH KILAUEA MILITARY CAMP	KILAUEA	1.63	0.00	1.63	3		AS	1,1B
0400	5	103274		WATER TANK ROAD	FROM ROUTE 0010 (CRATER RIM DRIVE) AT MP 0.35 ON RIGHT TO ROUTE 5011 (HAWAII STATE ROUTE 11 (HAWAII BELT ROAD / MAMALAHOA HIGHWAY)) AT MP 1.37 ON LEFT	KILAUEA	0.34	0.00	0.34	6		AS	1,1A
0401	5	42514		NORTH RESIDENCE ROAD	FROM ROUTE 0010 (CRATER RIM DRIVE) AT MP 0.26 ON LEFT TO ROUTE 0010 (CRATER RIM DRIVE) AT MP 10.48 ON LEFT	KILAUEA	0.43	0.00	0.43	5		AS	1,1A
0403	5	42516		SOUTH RESIDENCE LOOP	FROM ROUTE 0401 (NORTH RESIDENCE ROAD) TO END OF LOOP	KILAUEA	0.42	0.00	0.42	5		AS	1,1A

Cycle 5 NPS/RIP Route ID Report

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, DCV Driven
Grey = Paved Routes, DCV not Driven

Yellow = Unpaved Routes, DCV not Driven
Black = State, Local or Private non-NPS Routes

Blue = All Paved Parking Areas
Red = Concession Route Flag ON

Green = All Unpaved Parking Areas

*Unpaved route data was obtained from NPS and was not inventoried by the Road Inventory Program (RIP).

** DCV - Data Collection Vehicle NC - Not Collected

CYCLE 5 SUMMARY TOTALS FOR HAWAII VOLCANOES NATIONAL PARK

CYCLE 5 ROUTE TOTALS	
DCV Driven Route Miles	54.48
Manually Rated Route Miles	1.60
TOTAL PARK ROUTE MILES COLLECTED IN CYCLE 5	56.08
Manually Rated Routes (SQFT)	30,014
TOTAL UNPAVED PARK ROUTE MILES	37.96

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	25,868
Concession Unpaved Parking Area SQFT	0
TOTAL CONCESSION PARKING AREA SQFT	25,868
Concession Manually Rated Routes SQFT	13,795

* CYCLE 5 PARKING AREA TOTALS	
Paved Parking (SQFT)	793,066
Unpaved Parking (SQFT)	40,455
TOTAL PARKING (SQFT)	833,521

CYCLE 5 WEIGHTED AVERAGE PARK VALUES	
DCV Driven PCR	86
**Manually Rated Routes PCR	58
**Parking PCR	79
***Total Equivalent Lane Miles	107.54

* - 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.

NOTE: The 54.48 Miles listed as DCV Driven Route Miles includes the 4.706 Mile portion of Route 0010 that was inaccessible due to hazardous volcanic gas conditions.

Cycle 5 NPS/RIP Route ID Report

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven	Yellow = Unpaved Routes, DCV not Driven	Blue = All Paved Parking Areas	Green = All Unpaved Parking Areas
Grey = Paved Routes, DCV not Driven	Black = State, Local or Private non-NPS Routes	■ = Concession Route Flag ON	

*Unpaved route data was obtained from NPS and was not inventoried by the Road Inventory Program (RIP).

** DCV - Data Collection Vehicle NC - Not Collected

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 HAVO

Road Inventory Program 11/17/2014

(Numerical By Subcomponent #)

Page 1 of 7

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

■ = Concession Route Flag ON

*Unpaved route data was obtained from NPS and was not inventoried by the Road Inventory Program (RIP).

HAVO

HAWAII VOLCANOES 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						
0215ZZ	239127	5	KILAUEA MILITARY CAMP ROADS	FROM ROUTE 0010 (CRATER RIM DRIVE) AND 0214 (KILAUEA MILITARY CAMP ROAD)	THROUGH KILAUEA MILITARY CAMP		3	1.63	0.00	1.63	
0416ZZ	21519	5	KILAUEA WATER TANKS AREA ROADS	FROM GRAVEL PILE	THOUGH WATER TANK AREA		6	0.69	0.00	0.69	50,733
0419ZZ	240233	NC	KILAUEA MILITARY CAMP POWERLINE AND BONEYARD ROADS	FROM ROUTES 0214 (KILAUEA MILITARY CAMP ROAD) AND 0215ZZ (KILAUEA MILITARY CAMP ROADS)	TO POWERLINE AND BONEYARD		6	0.00	0.15	0.15	
0900ZZ	22571	5	KILAUEA VISITORS CENTER PARKING AREAS	FROM ROUTE 0013 (OFFICE AREA STREET) AT MP 0.01 (ON RIGHT AND LEFT)	TO ROUTE 0400 (WATER TANK ROAD) AT MP 0.01 ON RIGHT			0.00	0.00	0.00	55,078
0908ZZ	22831	5	KILAUEA MAINTENANCE YARD PARKING AREAS	FROM ROUTE 0401 (NORTH RESIDENCE ROAD) ON LEFT AND RIGHT	TO PARKING			0.00	0.00	0.00	41,352
0909ZZ	22292	5	STEAM VENTS PARKING AREAS	ADJACENT TO ROUTE 0211 (STEAM VENTS ROAD) ON RIGHT AND LEFT				0.00	0.00	0.00	6,051
0910ZZ	22245	5	KILAUEA OVERLOOK AND PICNIC AREA PARKING AREAS	FROM ROUTE 0201 (KILAUEA OVERLOOK ROAD)	TO PARKING			0.00	0.00	0.00	24,620
0915ZZ	42665	5	THURSTON LAVA TUBE PARKING AREAS	ADJACENT TO ROUTE 0010 (CRATER RIM DRIVE) ON LEFT AND RIGHT				0.00	0.00	0.00	16,579
0931ZZ	22298	NC	KEANAKAKOI PARKING AREAS	ADJACENT TO ROUTE 0010 (CRATER RIM DRIVE) (NORTH AND SOUTH)				0.00	0.00	0.00	
0937ZZ	239125	5	KILAUEA MILITARY CAMP PARKING AREAS	FROM ROUTES 0214 (KILAUEA MILITARY CAMP ROAD) AND 0215ZZ (KILAUEA MILITARY CAMP ROADS)	THROUGH KILAUEA MILITARY CAMP			0.00	0.00	0.00	110,773
0938ZZ	N/A	NC	KILAUEA MILITARY CAMP UNPAVED PARKING AREAS	FROM ROUTE 0214 (KILAUEA MILITARY CAMP ROAD) AND 0215ZZ (KILAUEA MILITARY CAMP ROADS)	THROUGH KILAUEA MILITARY CAMP			0.00	0.00	0.00	10,960
0945ZZ	240232	NC	NAMAKANI PAIO CAMPGROUND UNPAVED PARKING AREAS	ADJACENT TO ROUTE 0204A (NAMAKANI PAIO CAMPGROUND ROAD) ON LEFT AND RIGHT				0.00	0.00	0.00	10,575

NPS/RIP Subcomponent Details for HAVO

Road Inventory Program 11/17/2014

(Numerical By Subcomponent #)

Page 2 of 7

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

■ = Concession Route Flag ON

*Unpaved route data was obtained from NPS and was not inventoried by the Road Inventory Program (RIP).

HAVO

HAWAII VOLCANOES NATIONAL PARK

HAVO-0215ZZ 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						
0215AZ	239127	5	KILAUEA MILITARY CAMP ROAD A	FROM ROUTE 0215BZ (KILAUEA MILITARY CAMP ROAD B)	TO ROUTE 0215CZ (KILAUEA MILITARY CAMP ROAD C)		3	0.04	0.00	0.04	
0215BZ	239127	5	KILAUEA MILITARY CAMP ROAD B	FROM ROUTE 0010 (CRATER RIM DRIVE)	TO ROUTE 0010 (CRATER RIM DRIVE)		3	0.12	0.00	0.12	
0215CZ	239127	5	KILAUEA MILITARY CAMP ROAD C	FROM ROUTE 0215DZ (KILAUEA MILITARY CAMP ROAD D)	TO ROUTE 0214 (KILAUEA MILITARY CAMP ROAD)		3	0.20	0.00	0.20	
0215DZ	239127	5	KILAUEA MILITARY CAMP ROAD D	FROM ROUTE 0010 (CRATER RIM DRIVE)	TO ROUTE 0215KZ (KILAUEA MILITARY CAMP ROAD K)		3	0.33	0.00	0.33	
0215EZ	239127	5	KILAUEA MILITARY CAMP ROAD E	FROM ROUTE 0214 (KILAUEA MILITARY CAMP ROAD)	TO ROUTE 0215FZ (KILAUEA MILITARY CAMP ROAD F)		3	0.12	0.00	0.12	
0215FZ	239127	5	KILAUEA MILITARY CAMP ROAD F	FROM ROUTE 0215CZ (KILAUEA MILITARY CAMP ROAD C)	TO ROUTES 0215EZ (KILAUEA MILITARY CAMP ROAD E), 0215HZ (KILAUEA MILITARY CAMP ROAD H), AND 0215IZ (KILAUEA MILITARY CAMP ROAD I)		3	0.00	0.00	0.00	16,219
0215GZ	239127	5	KILAUEA MILITARY CAMP ROAD G	FROM ROUTE 0215JZ (KILAUEA MILITARY CAMP ROAD J)	TO ROUTE 0215EZ (KILAUEA MILITARY CAMP ROAD E)		3	0.09	0.00	0.09	
0215HZ	239127	5	KILAUEA MILITARY CAMP ROAD H	FROM ROUTE 0215DZ (KILAUEA MILITARY CAMP ROAD D)	TO ROUTE 0215FZ (KILAUEA MILITARY CAMP ROAD F)		3	0.18	0.00	0.18	
0215IZ	239127	5	KILAUEA MILITARY CAMP ROAD I	FROM ROUTE 0215FZ (KILAUEA MILITARY CAMP ROAD F)	TO ROUTE 0215HZ (KILAUEA MILITARY CAMP ROAD H)		3	0.13	0.00	0.13	
0215JZ	239127	5	KILAUEA MILITARY CAMP ROAD J	FROM ROUTE 0215DZ (KILAUEA MILITARY CAMP ROAD D)	TO ROUTE 0214 (KILAUEA MILITARY CAMP ROAD)		3	0.18	0.00	0.18	
0215KZ	239127	5	KILAUEA MILITARY CAMP ROAD K	FROM ROUTE 0215JZ (KILAUEA MILITARY CAMP ROAD J)	TO ROUTE 0937KZ (KILAUEA MILITARY CAMP PARKING K)		3	0.23	0.00	0.23	
0215LZ	239127	5	KILAUEA MILITARY CAMP ROAD L	FROM ROUTE 0215DZ (KILAUEA MILITARY CAMP ROAD D)	TO ROUTE 0215KZ (KILAUEA MILITARY CAMP ROAD K)		3	0.02	0.00	0.02	

NPS/RIP Subcomponent Details for HAVO

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

■ = Concession Route Flag ON

*Unpaved route data was obtained from NPS and was not inventoried by the Road Inventory Program (RIP).

HAVO

HAWAII VOLCANOES NATIONAL PARK

HAVO-0416ZZ 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
0416AZ	21519	5	KILAUEA WATER TANKS AREA ROAD A	FROM GRAVEL PILE	TO END OF LOOP		6	0.58	0.00	0.58	42,948
0416BZ	21519	5	KILAUEA WATER TANKS AREA ROAD B	FROM ROUTE 0416AZ (KILAUEA WATER TANKS AREA ROAD A) ON LEFT	TO ROUTE 0416AZ (KILAUEA WATER TANKS AREA ROAD A) ON LEFT		6	0.06	0.00	0.06	3,865
0416CZ	21519	5	KILAUEA WATER TANKS AREA ROAD C	FROM ROUTE 0416AZ (KILAUEA WATER TANKS AREA ROAD A) ON RIGHT	TO ROUTE 0416AZ (KILAUEA WATER TANKS AREA ROAD A) ON RIGHT		6	0.05	0.00	0.05	3,920

HAVO-0419ZZ 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
0419AZ	240233	NC	KILAUEA MILITARY CAMP POWERLINE ACCESS ROAD	FROM ROUTE 0215DZ (KILAUEA MILITARY CAMP ROAD D)	TO POWERLINE		6	0.00	0.06	0.06	
0419BZ	240233	NC	KILAUEA MILITARY CAMP BONEYARD ROAD	FROM ROUTE 0214 (KILAUEA MILITARY CAMP ROAD)	TO BONEYARD		6	0.00	0.09	0.09	

HAVO-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	22571	5	KILAUEA VISITORS CENTER PARKING AREA A	FROM ROUTE 0013 (OFFICE AREA STREET) AT MP 0.01 ON LEFT	TO ROUTE 0400 (WATER TANK ROAD) AT MP 0.01 ON RIGHT			0.00	0.00	0.00	33,894
0900BZ	22571	5	KILAUEA VISITORS CENTER PARKING AREA B	FROM ROUTE 0013 (OFFICE AREA STREET) AT MP 0.01 ON RIGHT	TO PARKING			0.00	0.00	0.00	21,184

NPS/RIP Subcomponent Details for HAVO

Road Inventory Program 11/17/2014

(Numerical By Subcomponent #)

Page 4 of 7

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

■ = Concession Route Flag ON

*Unpaved route data was obtained from NPS and was not inventoried by the Road Inventory Program (RIP).

HAVO

HAWAII VOLCANOES NATIONAL PARK

HAVO-0908ZZ 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						
0908AZ	22831	5	KILAUEA MAINTENANCE YARD PARKING A	FROM ROUTE 0401 (NORTH RESIDENCE ROAD) AT MP 0.303 ON RIGHT	TO ROUTE 0401 (NORTH RESIDENCE ROAD) AT MP 0.324 ON RIGHT			0.00	0.00	0.00	15,381
0908BZ	22831	5	KILAUEA MAINTENANCE YARD PARKING B	FROM ROUTE 0401 (NORTH RESIDENCE ROAD) AT MP 0.341 ON RIGHT	TO PARKING			0.00	0.00	0.00	9,439
0908CZ	22831	5	KILAUEA MAINTENANCE YARD PARKING C	ADJACENT TO ROUTE 0401 (NORTH RESIDENCE ROAD) AT MP 0.311 ON LEFT				0.00	0.00	0.00	11,244
0908EZ	22831	5	KILAUEA MAINTENANCE YARD PARKING E	FROM ROUTE 0401 (NORTH RESIDENCE ROAD) AT MP 0.354 ON RIGHT	TO PARKING			0.00	0.00	0.00	3,225
0908FZ	22831	5	RESIDENCE ROAD PARKING A	ADJACENT TO ROUTE 0401 (NORTH RESIDENCE ROAD) AT MP ON 0.180 ON LEFT				0.00	0.00	0.00	673
0908GZ	22831	5	RESIDENCE ROAD PARKING B	ADJACENT TO ROUTE 0401 (NORTH RESIDENCE ROAD) AT MP 0.196 ON LEFT				0.00	0.00	0.00	1,390

HAVO-0909ZZ 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						
0909AZ	22292	5	STEAM VENTS PARKING A	ADJACENT TO ROUTE 0211 (STEAM VENTS ROAD) AT MP 0.07 ON LEFT				0.00	0.00	0.00	1,514
0909BZ	22292	5	STEAM VENTS PARKING B	ADJACENT TO ROUTE 0211 (STEAM VENTS ROAD) AT MP 0.08 ON RIGHT				0.00	0.00	0.00	3,016
0909CZ	22292	5	STEAM VENTS PARKING C	ADJACENT TO ROUTE 0211 (STEAM VENTS ROAD) AT MP 0.04 ON LEFT				0.00	0.00	0.00	1,521

NPS/RIP Subcomponent Details for HAVO

Road Inventory Program 11/17/2014

(Numerical By Subcomponent #)

Page 5 of 7

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

■ = Concession Route Flag ON

*Unpaved route data was obtained from NPS and was not inventoried by the Road Inventory Program (RIP).

HAVO

HAWAII VOLCANOES NATIONAL PARK

HAVO-0910ZZ 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
0910AZ	22245	5	KILAUEA PICNIC AREA PARKING	FROM ROUTE 0201 (KILAUEA OVERLOOK ROAD) AT MP 0.15 ON RIGHT	TO PARKING			0.00	0.00	0.00	5,550
0910BZ	22245	5	KILAUEA OVERLOOK PARKING	FROM END OF ROUTE 0201 (KILAUEA OVERLOOK ROAD)	TO PARKING			0.00	0.00	0.00	19,070

HAVO-0915ZZ 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
0915AZ	42665	5	THURSTON LAVA TUBE BUS PARKING AREA A	ADJACENT TO ROUTE 0010 (CRATER RIM DRIVE) AT MP 9.00 ON RIGHT				0.00	0.00	0.00	7,882
0915BZ	42665	5	THURSTON LAVA TUBE PARKING AREA B	ADJACENT TO ROUTE 0010 (CRATER RIM DRIVE) AT MP 9.01 ON LEFT				0.00	0.00	0.00	8,697

HAVO-0931ZZ 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
0931AZ	22298	NC	KEANAKAKOI PARKING AREA A	ADJACENT TO ROUTE 0010 (CRATER RIM DRIVE) (NORTH)				0.00	0.00	0.00	
0931BZ	22298	NC	KEANAKAKOI PARKING AREA B	ADJACENT TO ROUTE 0010 (CRATER RIM DRIVE) (SOUTH)				0.00	0.00	0.00	

NPS/RIP Subcomponent Details for HAVO

Road Inventory Program 11/17/2014

(Numerical By Subcomponent #)

Page 6 of 7

Shading Color Key:

Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

■ = Concession Route Flag ON

*Unpaved route data was obtained from NPS and was not inventoried by the Road Inventory Program (RIP).

HAVO

HAWAII VOLCANOES NATIONAL PARK

HAVO-0937ZZ 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						
0937AZ	239125	5	KILAUEA MILITARY CAMP PARKING A	FROM ROUTE 0214 (KILAUEA MILITARY CAMP ROAD) TO ROUTE 0214 (KILAUEA MILITARY CAMP ROAD)			0.00	0.00	0.00	37,398
0937BZ	239125	5	KILAUEA MILITARY CAMP PARKING B	ADJACENT TO ROUTES 0214 (KILAUEA MILITARY CAMP ROAD) AND 0215JZ (KILAUEA MILITARY CAMP ROAD J)			0.00	0.00	0.00	12,623
0937CZ	239125	5	KILAUEA MILITARY CAMP PARKING C	FROM ROUTES 0215EZ (KILAUEA MILITARY CAMP ROAD E), 0215GZ (KILAUEA MILITARY CAMP ROAD G), AND 0215HZ (KILAUEA MILITARY CAMP ROAD H) TO PARKING			0.00	0.00	0.00	22,990
0937DZ	239125	5	KILAUEA MILITARY CAMP PARKING D	ADJACENT TO ROUTE 0215EZ (KILAUEA MILITARY CAMP ROAD E)			0.00	0.00	0.00	476
0937EZ	239125	5	KILAUEA MILITARY CAMP PARKING E	ADJACENT TO ROUTE 0215HZ (KILAUEA MILITARY CAMP ROAD H)			0.00	0.00	0.00	565
0937FZ	239125	5	KILAUEA MILITARY CAMP PARKING F	ADJACENT TO ROUTE 0215HZ (KILAUEA MILITARY CAMP ROAD H)			0.00	0.00	0.00	943
0937GZ	239125	5	KILAUEA MILITARY CAMP PARKING G	ADJACENT TO ROUTE 0214 (KILAUEA MILITARY CAMP ROAD)			0.00	0.00	0.00	1,135
0937HZ	239125	5	KILAUEA MILITARY CAMP PARKING H	ADJACENT TO ROUTE 0215JZ (KILAUEA MILITARY CAMP ROAD J)			0.00	0.00	0.00	2,548
0937IZ	239125	5	KILAUEA MILITARY CAMP PARKING I	ADJACENT TO ROUTE 0215JZ (KILAUEA MILITARY CAMP ROAD J)			0.00	0.00	0.00	322
0937JZ	239125	5	KILAUEA MILITARY CAMP PARKING J	ADJACENT TO ROUTE 0215KZ (KILAUEA MILITARY CAMP ROAD K)			0.00	0.00	0.00	756
0937KZ	239125	5	KILAUEA MILITARY CAMP PARKING K	FROM ROUTES 0215DZ (KILAUEA MILITARY CAMP ROAD D), 0215HZ (KILAUEA MILITARY CAMP ROAD H), AND 0215KZ (KILAUEA MILITARY CAMP ROAD K) TO PARKING			0.00	0.00	0.00	14,934
0937LZ	239125	5	KILAUEA MILITARY CAMP PARKING L	ADJACENT TO ROUTE 0215DZ (KILAUEA MILITARY CAMP ROAD D)			0.00	0.00	0.00	1,033

NPS/RIP Subcomponent Details for HAVO

Shading Color Key:
Red text denotes approx. mileage

White = Paved Routes, DCV Driven

Yellow = Unpaved Routes, DCV not Driven

Blue = All Paved Parking Areas

Green = All Unpaved Parking Areas

Grey = Paved Routes, DCV not Driven

Black = State, Local or Private non-NPS Routes

■ = Concession Route Flag ON

*Unpaved route data was obtained from NPS and was not inventoried by the Road Inventory Program (RIP).

HAVO

HAWAII VOLCANOES NATIONAL PARK

HAVO-0937ZZ 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
0937MZ	239125	5	KILAUEA MILITARY CAMP PARKING M	ADJACENT TO ROUTE 0215DZ (KILAUEA MILITARY CAMP ROAD D)				0.00	0.00	0.00	1,410
0937NZ	239125	5	KILAUEA MILITARY CAMP PARKING N	FROM ROUTE 0215KZ (KILAUEA MILITARY CAMP ROAD K) TO PARKING				0.00	0.00	0.00	4,965
0937OZ	239125	5	KILAUEA MILITARY CAMP PARKING O	FROM ROUTE 0215KZ (KILAUEA MILITARY CAMP ROAD K) TO ROUTE 0215KZ (KILAUEA MILITARY CAMP ROAD K)				0.00	0.00	0.00	8,675

HAVO-0938ZZ 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
0938AZ	N/A	NC	KILAUEA MILITARY CAMP UNPAVED PARKING A	FROM ROUTE 0214 (KILAUEA MILITARY CAMP ROAD) TO PARKING				0.00	0.00	0.00	9,901
0938BZ	N/A	NC	KILAUEA MILITARY CAMP UNPAVED PARKING B	ADJACENT TO ROUTE 0215DZ (KILAUEA MILITARY CAMP ROAD D)				0.00	0.00	0.00	1,059

HAVO-0945ZZ 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
0945AZ	240232	NC	NAMAKANI PAIO CAMPGROUND UNPAVED PARKING A	ADJACENT TO ROUTE 0204A (NAMAKANI PAIO CAMPGROUND ROAD) AT MP 0.126 ON LEFT				0.00	0.00	0.00	8,550
0945BZ	240232	NC	NAMAKANI PAIO CAMPGROUND UNPAVED PARKING B	ADJACENT TO ROUTE 0204A (NAMAKANI PAIO CAMPGROUND ROAD) AT MP 0.156 ON RIGHT				0.00	0.00	0.00	2,025