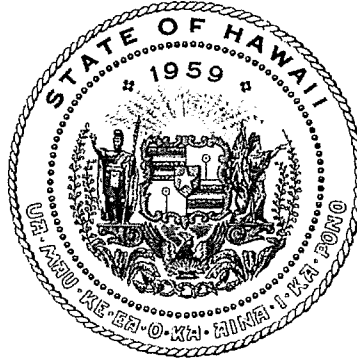


**REPORT TO THE TWENTY-SIXTH LEGISLATURE
REGULAR SESSION OF 2011
HAWAII STATEWIDE TRAIL AND ACCESS SYSTEM**

“Na Ala Hele”



Prepared by:

**THE STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF FORESTRY AND WILDLIFE
Na Ala Hele Trail and Access Program**

In response to Section 198D-9(7), Hawaii Revised Statutes

**Honolulu, Hawaii
October 2010**

**REPORT TO THE TWENTY-SIXTH LEGISLATURE
HAWAII STATEWIDE TRAIL AND ACCESS SYSTEM
REGULAR SESSION OF 2011**

PURPOSE

Chapter 198D, Hawaii Revised Statutes (HRS), creates the Hawaii Trail and Access System, under the Department of Land and Natural Resources (DLNR) pursuant to Section 198D-9(7), HRS an annual report of activities is required. This report covers activities in fiscal year 2010.

INTRODUCTION

Na Ala Hele (NAH), the Hawaii Statewide Trail and Access Program, was established in 1988. Section 198D-2, HRS, directs DLNR to plan, develop, and acquire land or rights for public use of land, construct, and coordinate activities to implement a trail and access system in Hawaii. The Program is administered by the DLNR's Division of Forestry and Wildlife (DOFAW). This report is cataloged into three sections:

1. Program Summary.
2. Funding Sources.
3. Ancient and Historic Trails Activity.

1. PROGRAM SUMMARY

The goal of the NAH Program is to provide public outdoor recreation opportunities for hiking, biking, hunting, camping, equestrian and off-highway vehicle use. In addition, the NAH Program is responsible for the inventory, and documenting ownership of specific historic trails and non-vehicular old government roads for public use where it is feasible and culturally appropriate.

Trails and unpaved access roads are critical resource management and recreational features that serve a multitude of access functions:

- Access to county search and rescue efforts.
- Access to restore native flora, fauna and watersheds.
- Access to monitor and remove invasive plant and animal species.
- Access to control wild land fire through firebreaks.
- Access to protect Hawaiian culture through ancient and historic trails.
- Access for hunting, hiking, biking, equestrian, off-highway vehicle activities.
- Provide commercial trail tour opportunities to strengthen Hawaii's economy.

NAH Core Activities:

- Implement statewide recreational trail and access road management and maintenance for public use.
- Coordinate ancient and historic trail activities with DLNR divisions or other entities to protect ancient and cultural trail features.

- Conduct commercial trail tour management and monitoring.
- Conduct environmental risk assessments to improve public safety of program trails and access roads by identifying specific hazards and mitigating dangers through warning signs pursuant to Act 82 Session Laws of Hawaii (SLH), 2003.

NAH Program staff spends the majority of their time maintaining Program trails and access roads to insure public safety, and protect trail and historical values. The management specifications are explained in the Trail Design Guidelines of the 1991 NAH Program Plan (<http://hawaii.gov/dlnr/dofaw/nah/NAH-Program-Plan-1991.pdf>). Trail and Road management consists of the following activities:

- Grading: Trail or access road surface improvements.
- Brushing: Cutting back brush along trail and road corridors to specific dimensions.
- Tree removal: Removing downed trees that prevent hiking experience.
- Water diversion: Installing or repairing soil retention steps swales, water bars, culverts, etc. to drain water away from trail and road corridors.
- Hardscaping: Installing gravel, geotextiles, rocks, rock boxes, or other types of materials along trail and access road corridors for maintenance purposes.
- Boardwalk installation or repair: Boardwalks may be installed in excessively boggy and sensitive environments subject to high use.
- Re-construction or re-route: Extensive trail or access road rebuilding or re-routing.
- Herbicide application: Herbicide application is used to specifically target noxious, non-native plant species that spread rapidly along trail and access road corridors.
- Equipment purchase, repair, or rental: Vehicles, helicopter rental, chain saws, brush-cutters, herbicide, fuel, and other equipment used to maintain trail/road features.
- Informational and warning sign assessments, installation and monitoring: Provide informational signs for public safety and public user information.

The Statewide Recreational Trail and Access Road Projects are listed in Appendix I.

Highlights of Statewide NAH Outdoor Recreation Projects

Oahu: Na Ala Hele has completed work with private and public organizations to establish the Sandbox – an all terrain vehicle recreational area at Sand Island. Children and adults will have a place to enjoy their ATV vehicles in an area that will not harm the fragile natural environment.

Maui: Na Ala Hele is working with the community to develop the Wahikuli OHV Park Project. Planning is continuing to create this 600-acre all terrain vehicle park in Lahaina.

Hawaii: Signing of the Memorandum of Agreement for the Ala Kahakai Trail between the state, county and federal government is finalized.

Kauai: The major focus for Kauai is to re-establish the Kauai Advisory Committee.

2. FUNDING SOURCES

- Liquid Fuel Tax Allocation

3% of LFT collected under Chapter 243, HRS, is deposited each fiscal year into a Special Fund (Section 171-19, HRS) of DLNR. The funds are used for management, maintenance, and development of NAH trails and accesses established under Chapter 198D, HRS. DLNR is limited to \$250,000 revenue from the LFT.

- Federal Recreational Trails Program (RTP) Allocation

Recreational Trails Program (RTP) is created by the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) 1101(a)(8), 1109. The RTP is a Federal Highway Administration Program, under 23 USC 104(h) & 206. The Federal Highways Administration determined eligibility of RTP funds to DLNR, Division of Forestry and Wildlife through a set criteria that States develop a trail council consisting of motorized and nonmotorized recreational users. Next, States including Hawaii must have a State Comprehensive Outdoor Recreation Plan. Also, States must comply with the Assured Access to Funds requirement: a minimum of 30% of the funding must be used for motorized trail use, 30% for non-motorized trail use, and 40% for diversified (multiple) trail use. The current RTP establishes an 80/20 matching requirement. In a recent program review, DLNR, DOFAW has complied with the requirements listed above. RTP funding for NAH is about \$1.1 million.

- TAT Allocation by Hawaii Tourism Authority

Act 235, (SLH 2005, increased TAT allocation to the Tourism Special Fund to 34.2% and, in the process, repealed the TAT Trust Fund. Act 235, SLH 2005, amended Act 250, SLH 2002, in a significant manner for DLNR: In 2007, a provision allowed DLNR to receive \$1,000,000 in TAT revenue (\$900,000 for DLNR's Division of State Parks and \$100,000 to NAH).

There is an increased trend for tourists to visit Hawaii's scenic destinations across the State. This past year, the Commercial Trail Tour Activity (CTTA) report (see below) showed that nearly 12,000 visitors took part in hiking, equestrian, and motorized off-highway recreational activities contributing to over \$70,000 into our local economy. There is a clear nexus to use TAT funds to finance outdoor recreational opportunities and to maintain these features. TAT funds improve the quality of maintenance on specific trails:

1. TAT helps maintain outdoor recreation features i.e. trails, scenic routes for both visitor and residents, and provides public safety information for all user groups.
2. Trail repairs, such as the installation of boardwalks and/or applying gravel in poorly drained or habitually wet trail sections, or the installation of amenities such as benches and interpretive signage, improves aesthetic quality of the trail experience, and vegetation trimming in a manner that favors distribution of native plant species and reduces the quantity of non-native plant species along a trail corridor is a natural resource management goal that has direct ecotourism market applications.

The \$100,000 allocated to NAH pays for a number of NAH staff salaries who do the major trail work on Kauai, Oahu, and Maui (locations with a high percentage of trails used by visitors).

- Commercial Trail Tour Activity (CTTA)

Act 106, SLH 1997, allows DLNR to develop user fees for commercial use of NAH trails and access routes and revenues from these fees go back into trail and access management. It permits DLNR to defray costs for trail maintenance and monitor commercial trail tour operations on public trails. Commercial trail use is regulated under Chapter 13-130, Hawaii Administrative Rules. The fees will encourage compliance, eliminate the need for enforcement actions, and expand new commercial vendors into the program. CTTA will improve resource administration and management between the commercial trail tour industry and DLNR.

A permit and internet scheduling method was developed in 2000 to ensure that commercial activities by multiple vendors do not exceed the daily capacities and/or number of groups established for CTTA trails and roads. The reservation system is managed by Hawaii Information Consortium (HIC) who records the trail reservation, date, and calculates the fee. NAH established an annual \$75 dollar subscription fee for the CTTA operators to HIC, and an additional 10% fee on each reservation. While there is an additional 10% per transaction charge and annual subscription fee for HIC management, the CTTA fees are assessed per unit of use and based upon the potential trail impact by type of recreational uses. DOFAW also calculates the 20% portion to Office of Hawaiian Affairs and deposits monthly checks submitted by HIC with DLNR Fiscal Office and records each island CTTA revenue for allocation in the next fiscal year. For a complete list of current CTTA operators, visit: www.hawaiitrails.org.

FEE SCHEDULE

Hike	Bike/Horse	Motorcycle	4wd 5 passenger	4wd 8 passenger	4wd 12 passenger	4wd 15 passenger
\$5.00	\$7.00	\$10.00	\$25.00	\$50.00	\$75.00	\$100.00

NAH Program Revenue: The fluctuation of the tourism industry is reflected in the following table. The end of cruise ship visits to Kauai dropped revenues two-fold. The attraction of tourists to Oahu trails is significant.

CTTA Revenue	FY10	FY09	FY08	FY07	FY06	FY05	FY04	FY03
Kauai	\$18,432	\$19,574	\$41,792	\$35,973	\$ 37,332	\$ 34,273	\$11,114	\$33,232
Oahu	\$44,497	\$43,597	\$30,622	\$32,260	\$ 38,356	\$ 37,442	\$18,884	\$ 6,119

Maui	\$181	\$55	\$1,012	\$836	\$1,348	\$1,644	\$336	\$640
Hawaii	\$6,484	\$6,967	\$5,989	\$22,844	\$37,368	\$38,723	\$10,172	\$25,752
Total	\$69,594	\$70,193	\$79,415	\$91,913	\$114,404	\$112,082	\$40,506	\$65,743

FY 2010 CTTA SUMMARY OF USERS - NUMBER BY CATEGORY/COUNTY

FY10 CTTA Users	OAHU	KAUAI	HAWAII	MAUI	TOTAL
Hikers	8,089	72	659	33	8,853
4 Wheel Drive Passengers	0	2,298	416	0	2,714
Equestrian Riders	0	271	0	0	271
Motorcycle Riders	0	0	0	0	0
Mountain Bike Riders	0	0	0	0	0
Total	8,089	2,641	1,075	33	11,838

Increased Camping Fees – As part of DLNR, Recreational Renaissance to improve service to the public and to increase management capacity, DOFAW requested Board of Land and Natural Resources (BLNR) approval to increase fees for camping, cabins and other recreational uses in public forest reserves. At its August 14, 2009 meeting, the BLNR approved updated fees for Forest Reserve System and Na Ala Hele system camping permits, with fees to be deposited into the respective program special funds.

The new fees are \$12 per night per campsite for residents and \$18 per night per campsite for non-residents. A \$2 per person fee is accessed per site over 6 campers for residents and a \$3 per person fee is accessed per site over 6 campers for non-residents. Cabin rentals range in fees from \$30 - \$50 per night per cabin for residents and \$60 - \$90 per night per cabin for non-residents. Fees will be phased in during FY 2010 when the new ehawaii permitting system is completed. Preliminary data regarding the collection of fees and revenues are still being compiled and will be presented in this report in subsequent years.

- LNR 804 Na Ala Hele General Funds

General fund allocations of approximately \$263,808 are paid through payroll. Due to reductions in general fund revenues over the past few years, NAH, LNR 804 program used a portion of federal funding and State special funds to support basic payroll and operating expenses.

Na Ala Hele Funding & Revenue Table (Source)	FY10
Special Funds – fuel tax, TAT, CTTA – ceiling	\$603,497.00
Federal Recreational Trails Program - ceiling	\$1,197,655.00
LNR 804 NAH General Fund - estimate	\$300,000.00

3. ANCIENT AND HISTORIC TRAILS

Section 198D-3, HRS, requires that an inventory of trails and accesses shall be established, maintained and amended as required. NAH has one full time staff position to abstract ancient and historic trails, non-vehicular old government roads, and old cart roads, for inclusion in the inventory under the provisions of the Highways Act of 1892. Section 264-1, HRS. The Highways Act of 1892 contains the following provision:

“(b) All trails, and other non-vehicular rights-of-way in the State declared to be public rights-of-way by the Highways Act of 1892, or opened, laid out, or built by the government or otherwise created or vested as non-vehicular rights-of-way at any time thereafter, or in the future, are declared to be public trails. A public trail is under the jurisdiction of the State Board of Land and Natural Resources (BLNR) unless it was created by or dedicated to a particular county, in which case it shall be under the jurisdiction of that county.”

NAH locates and determines State jurisdiction to historic roads and ancient trails throughout the State. Abstracts of title are accomplished through historical research of documents, maps and other media. Development actions that threaten old trails often result in request for abstracts as part of the Conservation District Use Permit application or county subdivision process. Further review by the Island Advisory Council and NAH staff assist in assessing options for developing and restoring trail and non-vehicular access roads.

NAH has identified historic trail impacts to addressing the State’s interest in the application of Section 264-1 HRS. If the historic trail is located on private property, additional mandates pursuant to Chapters 6E, 171, 264, and 198D, HRS precludes historic trail management and protection through DLNR’s Land Division, Historic Preservation Division, DOFAW, and affected private landowners.

The NAH also assists the Department of the Attorney General in identifying possible interest the State may claim in roads and/or trails situated within the boundaries of lands that are the subject of quiet title actions or Land Court applications. If public ownership is confirmed, access via roads or trails is documented. Affirmation of ownership provides future options for recreational development and/or access. Coordination with the Historic Preservation Division is necessary if the trail has archeological value.

In FY 2010, the NAH completed 19 Abstracts and 18 Quiet Title reviews. The Island of Hawaii compiled the most significant number of abstract data compared to the rest of the State. The abundance of historic trails on the Big Island coupled with current development growth on the Kohala-Kona coast place these historic/cultural features at risk.

Summary of Ancient and Historic Trail Projects:

Hawaii:

- Hokuia Trail System: Pending final easement dedications for utility and golf and vehicular crossing, and one easement dedication for public access to the trails, an MOA for stewardship of the Old Cart Road. Reconstruction and preserve Steppingstone Trail (Ala Loa) Execute Quitclaim Deeds with adjacent landowners; create cultural mitigation plan, and initiate physical management to Kealahou Bay.
- Puna Trail – A MOA is being finalized between the landowner and DLNR to open this trail to the public.
- Ala Kahakai National Historic Trail: The Ala Kahakai National Historic Trail was designated in the year 2000 by the United States Congress. Administered by the National Park Service (NPS), the 175-mile shoreline corridor runs from Hawaii Island's Upolu Point, along the western shoreline through the Kohala, Kona, Ka'u, and Puna District, and ending at Hawaii Volcanoes National Park's Puna boundary. This system of trails is envisioned to connect historic shoreline communities, national, state and county parks, State Natural Area Reserves and modern resort and rural communities. NPS and its state, county and private partners are working to build trail planning and management capacity to their respective communities, led by native Hawaiians and other families with deep historic ties who will sustainably manage their trail segments and complete the partnership commitment. The Trail's Comprehensive Management Plan/Environmental Impact Statement is finalized and a memorandum of understanding with NPS, the State and the County on the implementation of the trail plan was approved this past year.

Maui: The Bridal Trail is being negotiated between the landowner and DLNR to provide access through this area on the slopes of Haleakala.

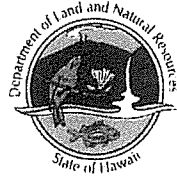
Kauai: Moloa'a Bay Coastal Trail: DLNR is working with the adjacent landowner to provide access and determine its location that is agreeable to both parties.



Appendix I

Hawaii Recreational Trails Program NRT1 (13) Project Tables Congressional District 2 - KAUAI BRANCH PROJECTS Kauai Trail and Access Road Project Description

Kauai Trail and Access Road Project Description	RTP CATEGORY FMIS Code	Distance	\$\$
Kuamoo Trail: Grading, Brushing, tree removal, water diversion, sign installation, herbicide application	Diversified Y054	2.0 mi.	480
Alakai Swamp Trail: Brushing, tree removal, water diversion, boardwalk repair, sign maintenance, helicopter support.	Non-motorized Y053	3.5 mi.	1,610
Awaawapuhi Trail: Brushing, tree removal, water diversion, sign installation, helicopter support, herbicide application, trailhead parking area improvements, plant identification sign replacement.	Non-motorized Y053	3.1 mi.	459
Iliou Nature Loop: Brushing, tree removal, water diversion, sign installation, trail shelter repair, herbicide application.	Non-motorized Y053	.3 mi.	459
Kawaikoi Stream Trail: Brushing, tree removal, water diversion, boardwalk repair, herbicide application, trail shelter repair.	Non-motorized Y053	1.8 mi.	459
Koae Canyon Trail: Brushing, tree removal, water diversion, helicopter support, herbicide application, trail shelter repairs, composting toilet maintenance	Diversified Y054	3.0 mi.	1,694
Kohua Ridge Trail: Brushing, tree removal, water diversion, sign installation	Non-motorized Y053	2.5 mi.	459
Kuilau Trail: grading, brushing, tree removal, water diversion, hardscaping, sign installation, trail shelter repair, herbicide application, bridge and gate repair.	Diversified Y054	2.1 mi.	480
Kukui Trail: Brushing, tree removal, water diversion, sign installation, re-construction, trail shelter maintenance, herbicide application, composting toilet maintenance.	Diversified Y054	2.5 mi.	543
Milolii Vista Trail: Brushing, tree removal, water diversion, sign installation	Diversified Y054	2.5 mi.	0
Moelepe Trail: Reconstruction and grading, brushing, tree removal, water diversion, hardscaping, sign installation, gate maintenance, and herbicide application.	Diversified Y054	2.5 mi	480
Mohihi-Waialae Trail: Brushing, tree removal, water diversion, sign installation	Diversified Y054	2.5 mi.	459
Nounou East and West Trails: Brushing, tree removal, water diversion, sign installation, gate maintenance, fence maintenance.	Non-motorized Y053	3.5 mi.	939
Nualolo Cliff Trail: Brushing, tree removal, water diversion, sign installation and maintenance, re-construction, helicopter support, herbicide application, trail shelter repair.	Non-motorized Y053	2.1 mi.	1,610
Nualolo Trail: Brushing, tree removal, water diversion, sign installation, helicopter support, herbicide application, trailhead parking improvements.	Diversified Y054	3.8 mi.	543
Okolehau Trail: Brushing, tree removal, sign maintenance, herbicide application.	Non-motorized Y053	2.3 mi.	480
Pihea Trail: Brushing, tree removal, water diversion, boardwalk repair, sign installation, helicopter support, trail shelter maintenance, bridge maintenance, and composting toilet maintenance.	Non-motorized Y053	3.8 mi.	459
Poomau Canyon Vista Trail: Brushing, tree removal, water diversion, sign installation and maintenance.	Non-motorized Y053	0.5 mi	459
Waimea Canyon Trail: Brushing, tree removal, sign maintenance.	Diversified Y054	2.5 mi.	1,694



Kauai Trail and Access Road Project Description	RTP CATEGORY FMIS Code	Distance	\$\$
Kuamoo Trail: Grading, Brushing, tree removal, water diversion, sign installation, herbicide application	Diversified Y054	2.0 mi.	480
Trail Total		48.8 mi.	14,246
Kaaweiki Ridge Access Road: Grading, brushing, tree removal, water	Diversified	4.3 mi.	480
Kauhao Ridge Access Road: Grading, brushing, tree removal, water diversion, hardscaping, sign maintenance, herbicide application, gate maintenance	Diversified Y054 Y055 Y057	5.0 mi.	480
Makaha Arboretum Access Road: Grading, brushing, tree removal, water diversion, hardscaping, sign maintenance, herbicide application, gate maintenance	Diversified Y054 Y055 Y057	2.5 mi.	480
Milolii Ridge Access Road: Grading, brushing, tree removal, water diversion, hardscaping, sign maintenance, herbicide application, gate maintenance	Diversified Y054 Y055 Y057	3.8 mi.	480
Mohihi-Camp 10 Access Road: Grading, brushing, tree removal, water diversion, hardscaping, sign maintenance, herbicide application, gate maintenance	Diversified Y054 Y055 Y057	6.1 mi.	480
Pine Forest Access Road: Grading, brushing, tree removal, water diversion, hardscaping, sign maintenance herbicide application, gate maintenance	Diversified Y054 Y055 Y057	1.3 mi.	480
Polihale Ridge Access Road: Grading, brushing, tree removal, water diversion, hardscaping, sign maintenance, herbicide application, gate maintenance	Diversified Y054 Y055 Y057	5.3 mi.	480
Wailua Forest Management Road: Grading, brushing, tree removal, water diversion, hardscaping, sign maintenance, excavator rentals, culvert repair, bridge maintenance	Diversified Y054 Y055 Y057	3.0 mi.	31,017
Access Road Total:		31.30 mi.	34,377

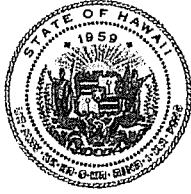
Expenditures spent that will soon be incorporated into NAH Program:

Papaalai Road \$459
 Contour Road \$480
 Lapa Ridge Road \$480
 Haelele Road \$459
 Mokihana Trail \$1694



**Hawaii Recreational Trails Program NRT1 (13) Project Tables
Congressional District 2 - HAWAII BRANCH PROJECTS
Hawaii Trail and Access Road Project Description**

Hawaii Trail and Access Road Project Description	RTP CATEGORY FMIS Code	Distance	\$\$
Ainapo Trail: Brushing, tree branch removal, sign installation and maintenance, helicopter support.	Diversified Y054	20.4 mi.	1,800
Ala Kahakai Trail: Grading, re-construction, brushing, water diversion, sign installation and maintenance, tree branch removal, helicopter support	Non-motorized Y053	7.7 mi.	2,141
Doctor=s Pit Trail: Grading, re-construction brushing, water diversion, sign installation and maintenance, tree branch removal.	Non-motorized Y053	0.4 mi.	664
Humuula Trail: Grading, re-construction brushing, water diversion, sign installation and maintenance, tree branch removal	Non-motorized Y053	10.5 mi.	365
Kaumana Trail: Brushing, tree branch removal, sign installation and maintenance.	Non-motorized Y053	3.0 mi.	0
Keauhou-Napoopoo Trail: (MOA with private landowner for stewardship) sign installation and maintenance.	Non-motorized Y053	4.0 mi.	0
Muliwai Trail: Grading, re-construction, brushing, water diversion, sign installation and maintenance, helicopter support.	Diversified Y054	18.0 mi.	22,456
Onomea Trails: Grading, re-construction, brushing, water diversion, sign installation and maintenance	Non-motorized Y053	1.2 mi.	738
Pololu Trail: Grading, re-construction, brushing, water diversion, sign installation and maintenance.	Diversified Y054	1.0 mi.	279
Puakea Bay Trail: Brushing, re-construction, water diversion, sign installation, helicopter support.	Diversified Y054	0.5 mi.	0
Puna Trail: Grading, re-construction brushing, water diversion, sign installation and maintenance, tree branch removal.	Non-motorized Y053	2.5 mi.	472
Puu Huluhulu Trail: Grading, re-construction, brushing, water diversion, sign installation and maintenance	Non-motorized Y053	0.6 mi.	476
Puu Oo Horse Trail: Grading, re-construction, brushing, sign installation and maintenance, helicopter support.	Diversified Y054	7.4 mi.	393
Trail total		77.2 mi.	29,784
Ainapo Access Road Grading, water diversion, sign installation and maintenance.	Diversified Y055-Y057	16.0 mi.	799
Mauna Kea Access Road: Grading, water diversion, sign installation and maintenance.	Diversified Y055-Y057	32.0 mi.	0
Mauna Loa Observatory Access Road: Grading, water diversion, brushing, sign installation and maintenance	Diversified Y055-Y057	35.0 mi.	0
Puu Laau Access Road: Grading, water diversion, sign installation and maintenance.	Diversified Y055-Y057	8.4 mi.	654
Access road total		91.4 mi	1,453
Mauna Kea: Bulldozing, Brushing, Tree removal, Water diversion, Sign installation & maintenance, Equipment purchase & Rental, Rubbish disposal, Composting toilet acquisition, Picnic site development	Motorized Y056	Access road total: 56 miles	7,370
Upper Waiakea ATV/Dirtbike Park: Bulldozing, Brushing, Tree removal, Water diversion, Hardscaping parking lot and trails, Sign installation & maintenance, Reconstruction & re-route, Equipment purchase & Rental, Rubbish disposal, Portable toilet rental, Composting toilet acquisition, Picnic site development	Motorized Y056	2,000 acres 56 mi.	18,296
Kaulana Manu Native Bird & Plant Sanctuary: Bulldozing, Brushing, Tree removal, Water Diversion, Hardscaping parking lot and trails, Sign	Non-Motorized Y053	.7	675



Hawaii Trail and Access Road Project Description	RTP CATEGORY FMIS Code	Distance	\$\$
installation and maintenance, Reconstruction & re-route, Equipment purchase & rental, Rubbish disposal, Portable toilet rental, Composting toilet acquisition, Picnic site development			
Motorized total		112.7 mi	26,341

**Hawaii Recreational Trails Program NRT1 (13) Project Tables
Congressional District 2 - OAHU BRANCH PROJECTS
Oahu Trail and Access Road Project Description**

Oahu Trail and Access Road Project Description	RTP CATEGORY FMIS Code	Distance	\$\$
Hauula-Maakua Trails: Grading, brushing, tree removal, water diversion, sign maintenance	Diversified Y054	5.0 mi.	2,013
Hawaiioloa Ridge Trail: Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support	Diversified Y054	3.5 mi.	2,384
Honolulu Mauka Trail System: Grading, brushing, tree removal, water diversion, hardscaping, boardwalk maintenance and installation, sign maintenance, herbicide application	Non-motorized Y053	15.53 mi.	7,985
Kaiwa Ridge Trail: Grading, brushing, hardscaping, sign installation	Non-motorized Y053	1.0 mi.	0
Kaunala Trail: Grading, brushing, tree removal, water diversion, sign maintenance	Diversified Y054	2.5 mi.	1,007
Kealia Trail: Grading, brushing, tree removal, water diversion, sign maintenance, herbicide application	Diversified Y054	2.3 mi.	926
Kuaokala Trail: Grading, brushing, tree removal, water diversion, sign maintenance	Diversified Y054	2.5 mi.	1,007
Kuliouou Valley and Ridge Trails: Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support	Diversified Y054	3.00 mi.	3,088
Manana Trail: Grading, brushing, tree removal, water diversion, sign maintenance, herbicide application helicopter support	Diversified Y054	6.0 mi.	2,416
Maunawili Trails (Demonstration, Falls and Ditch trails) Grading, brushing, tree removal, water diversion, sign maintenance, herbicide application, helicopter support	Non-motorized Y053	15.00 mi.	6,040
Poamoho Trail: Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support	Non-motorized Y053	3.0 mi.	1,543
Schofield-Waikane Trail: Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support	Non-motorized Y053	3.5 mi.	0
Waimano Trails: Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support	Diversified Y054	7.2 mi.	2,899
Wiliwili Trail: Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support	Diversified Y054	3.00 mi.	3,125
Kulana'ahane Trail: Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support	Non-motorized Y053	2.3 mi.	1,183
Trail total		75.33 mi	35,616
Kealia Access Road: Grading, brushing, tree removal, water diversion, sign maintenance	Diversified Y054-Y055	1.5 mi.	604
Kuaokala & Mokuleia Access Roads: Grading, brushing, tree removal, water diversion, sign maintenance	Diversified Y054-Y055	10.8 mi.	4,349



Oahu Trail and Access Road Project Description	RTP CATEGORY FMIS Code	Distance	\$\$
Poamoho Access Road: Grading, brushing, tree removal, hardscaping, water diversion, sign maintenance	Diversified, Y054-Y055	2.5 mi.	1,007
Kamananui Valley Road: Grading, brushing, tree removal, hardscaping, water diversion, sign maintenance	Diversified Y054-Y055	4 mi.	1,611
Access road total		18.80 mi	7,571
Kahuku OHV Park (Hawaii Motorsports Association) Access road grading, track grading and re-construction, trail grading and re-construction, rubbish disposal, fencing materials, chemi-toilet rental, equipment rental and acquisition	Motorized Y056	500 acres 30.5 mi.	32,673
Sand Island OHV Park (Sand Island Off Highway Vehicle Association) Design, permits, fencing, parking construction, water connection, grading and trail construction, parking construction, planting	Motorized Y056	30 acres	11,288
	Motorized total	530 acres	43,961

**Hawaii Recreational Trails Program NRT1 (13) Project Tables
Congressional District 2 - MAUI BRANCH PROJECTS
(Includes Molokai and Lanai)
Maui, Molokai, Lanai Trail and Access Road Project Description**

Maui Trail and Access Road Project Description	RTP CATEGORY FMIS Code	Distance	\$\$
Boundary Trail: Grading, brushing, water diversion, tree removal herbicide	Diversified Y054	4.4 mi.	4,632
Haleakala Ridge Trail: Grading, Brushing, water diversion, tree removal	Non-motorized Y053	1.6 mi.	670
Hoapili Trail: Brushing, tree removal, sign installation	Non-motorized Y053	5.5 mi.	4,680
Kahakapao Loop Trail: Brushing, sign installation and maintenance, water diversion, grading	Diversified Y054	5.7 mi.	17,874
Kaulahuki Trail: Grading, brushing, water diversion, tree removal	Non-motorized Y053	2.1 mi	0
Ke Alaloe O Maui: Brushing, tree removal, sign installation	Non-motorized Y053	3.0 mi.	0
Keanae Arboretum: Brushing, herbicide application, tree removal, sign maintenance	Non-motorized Y053	0.6 mi.	0
Lahaina Pali Trail: Grading, water diversion, sign installation, herbicide and weed wrenching	Diversified Y054	5.5 mi.	6,459
Mamane Trail: Grading, Brushing, water diversion, tree removal	Diversified Y054	1.8 mi.	4,242
Mokuleia Stairs Beach Access: Brushing, water diversion, install boardwalk	Non-motorized Y053	250 ft.	3
Ohai Loop Trail: Brushing, grading, water diversion, sign installation	Non-motorized Y053	1.2 mi.	6,136
Plum Trail: Grading, brushing, water diversion, tree removal	Non-motorized Y053	1.7 mi.	1,719
Polipoli Trail: Grading, brushing, water diversion, sign installation	Non-motorized Y053	0.6 mi.	2,050
Redwood Trail: Grading, Brushing, water diversion, tree removal	Diversified	1.7 mi.	1,010



Maui Trail and Access Road Project Description	RTP CATEGORY FMIS Code	Distance	\$\$
	Y054		
Skyline Trail: Brushing, tree removal, equipment rental	Diversified Y054	6.8 mi.	449
Tie Trail: Grading, Brushing, water diversion, tree removal	Non-motorized Y053	0.5 mi.	440
Waiakoa Loop: Grading, Brushing, water diversion, tree removal	Diversified Y054	3.0 mi.	1,860
Waiakoa trail: Grading, Brushing, water diversion, tree removal	Diversified Y054	7.0 mi.	20,556
Waihee Ridge Trail: Grading, brushing, water diversion, boardwalk installation, herbicide application	Non-motorized Y053	2.5 mi.	4,906
Waihou Spring Trail: Grading, Brushing, water diversion, tree removal	Diversified Y054	1.0 mi.	0
Waikamoi Ridge Trail: Brushing, hardscaping, boardwalk installation, tree removal, herbicide application	Non-motorized Y053	0.8 mi.	238
Waihuli Trail: Grading, Brushing, water diversion, tree removal	Non-motorized Y053	1.4 mi.	0
	Trail total	58.40	77,921
Waipoli Access Road: Grading, brushing, water diversion	Diversified Y054 Y055	8.1	2,999
	Access road total	8.1	2,999
Maui Moto X trails and track: non-permanent structures and plantings for shade and windbreak, replace old broken fencing, irrigation equipment, soil to create track and trails, hauling materials and repairs to machinery	Motorized Y056	17 acres	54,320
Wahikuli OHV Park: Development	Motorized Y056 or Y057	670 acres	21,508
	Motorized Total	687 acres	75,828
Molokai Trail and Access Road Project Description	RTP CATEGORY FMIS Code	Distance	
Waikolu Overlook: Grading, brushing, water diversion, tree removal	Diversified Y054 Y055	3 acres	111
Kahanui Access Roads: Brushing, tree removal, water diversion	Diversified Y054 Y055	3.3 mi.	0
Mannahui-Makakupaia Access Road: Grading, brushing, water diversion, tree removal	Diversified Y054 Y055	9.8 mi	13,033
	Access road total	13.1 mi.	13,033
Lanai Trail and Access Road Project Description	RTP CATEGORY FMIS Code	Distance	
Hulopoe-Huawai Fisherman Trail: Grading, brushing, water diversion	Non-motorized Y053	2.0 mi.	1,559
Kanepuu Dryland Forest Trail: Grading, brushing, tree removal	Non-motorized Y053	0.5 mi.	706
	Trail total	2.5 mi.	2,265
#3 Access Road: Grading	Motorized Y057	1.06 mi.	766
#5 Access Road: Grading	Motorized Y057	1.78 mi.	766



Maui Trail and Access Road Project Description	RTP CATEGORY FMIS Code	Distance	\$\$
#7 Access Road: Grading	Motorized Y057	1.6 mi.	766
#57 Access Road: Grading	Motorized Y057	3.42 mi.	766
Awalua Access Road: Grading	Motorized Y057	3.66 mi.	0
Federation Camp Access Road: Grading	Motorized Y057	1.24 mi.	766
Guard Access Road: Grading	Motorized Y057	38.2 mi.	766
Honopu Access Road: Grading	Motorized Y057	3.22 mi.	766
Kaena Access Road: Grading	Motorized Y057	3.75 mi.	766
Kahua Access Road: Grading	Motorized Y057	5.41 mi.	766
Kahue Access Road: Grading	Motorized Y057	4.15 mi.	766
Keone Access Road: Grading	Motorized Y057	1.74 mi.	766
Kuamoo Access Road: Grading	Motorized Y057	.94 mi.	766
Lapaiki Access Road: Grading	Motorized Y057	3.8 mi.	3,889
Mahana Access Road: Grading	Motorized Y057	1.52 mi.	766
Nanahoa Access Road: Grading	Motorized Y057	1.05 mi.	766
Naupaka Access Road: Grading	Motorized Y057	.97 mi.	766
Paliamono Access Road: Grading	Motorized Y057	.41 mi.	766
Access road total		77.92 mi.	16,145

