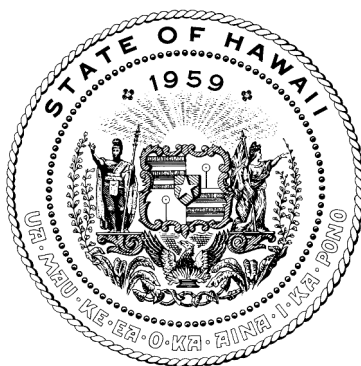


**REPORT TO THE TWENTY-SEVENTH LEGISLATURE  
REGULAR SESSION OF 2013**

**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 2012**

# **HAWAII STATEWIDE TRAIL AND ACCESS SYSTEM**

## **“Na Ala Hele”**

### **PURPOSE**

Chapter 198D, Hawaii Revised Statutes (HRS), establishes 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 accomplishments in Fiscal Year (FY) 2012.

### **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 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 Summary.

### **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 majority of its time maintaining Program trails and access roads to insure public safety, and to 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: Performed routine maintenance of Honolulu Mauka Trail System, Manoa Falls Trail, Poamoho Trail, and Maunawili Falls Trail including; brushing, grubbing, tree/rock removal, herbicide application, trail head maintenance, sign installation and replacement, and rockwork. The NAH Outreach Assistant led six Sierra Club volunteer service trips and one Eagle Scout project to Manoa Fall, two service trips to Manoa Cliff Trail with Overland group, and worked with the Hawaii Youth Conservation Corps (HYCC) at Manoa Falls and Poamoho Trail. Oahu staff provided continued support of the Kahuku Off-Highway Vehicle (OHV) Park management and met with Hawaii Motorsport Association to discuss future procurements. Other activities performed included discussing future fuel procurement for Sand Island (Sandbox) Motor Park. Printed “Hiking Safely with your dog in Hawaii” brochures, and hosting National Trails Day at Lyon Arboretum with trail service trip, workshops, and vendor booths for the public.

Maui: Completed Standard Trail Maintenance Procedures (STMP) including: brushing, grading, water diversion maintenance, tree and brush removal, sign maintenance, and herbicide application to Haleakala Ridge Trail, Ala Loa O Maui, Lahaina Pali Trail, Plum Trail, Polipoli Trail, Tie Trail, Waihee Ridge Trail, Waihou Spring Trail, Waikamoi Ridge

Trail, Mokuleia Stairs, Ohai Loop Trail, Lower Waiohuli Trail, and Hulopoe-Huawai-Fisherman's Trail. Major repair work was completed on Waihee and Haleakala Ridge Trails. Replace vandalized management signs at Ohai Loop trail. Re-routed sections of Plum and Ke Ala Loa O Maui trails. Installed stone steps on Hulopoe-Huawai-Fisherman's Trail. Supported major improvements on Kahakapao Bicycle Pump Track, Waiakoa Loop Trail and Upper Waiakoa/Waiohuli Trails. Support maintenance of the Maui Motocross Track including: landscaping maintenance, removing rubbish and debris, hauling materials and equipment maintenance.

Hawaii: Routine Trail Maintenance/ Improvements: Ainapo Trail, Doctor's Pit Trail, Ala Kahakai Trail, Puu Huluhulu Trail, Puna Trail, Onomea Trail, Kaumana Trail – brushing, tree removal, sign maintenance, helicopter support, and reconstruction. Staff did a site visit of the Ala Kahakai National Historic Trail (Kiilae/Honaunau Section). The site visit involved coordinating with private landowners to locate this historic trail through (National Parks and Kamehameha Schools Property). Hawaii District performed routine maintenance on Upper Waiakea All-Terrain Vehicle (ATV)/Dirt Bike Park; remove brush and logs along riding trails caused by heavy rains and winds in March 2012. In addition, staff completed general maintenance including minor grading and sign maintenance of the park.

Kauai: The Kauai NAH Advisory Committee met several times in FY 2012 following six years of inactivity. Kauai NAH activities included: major work to repairing the Alakai Boardwalk and coordinating volunteer groups to help DOFAW maintain 12 NAH features; brushing, grubbing, tree/rock removal, herbicide application, signage maintenance, and trail-head maintenance. Purchased new GPS units to map all trails and roads managed by DOFAW. Kauai District received added support with summer interns and youth conservation work force to help maintain these features with current staffing and volunteers. These added volunteer assistance has helped to relieve the workload pressure of the Kauai NAH Section.

## **2. FUNDING SOURCES**

- Liquid Fuel Tax (LFT) Allocation

0.3% of LFT collected under Chapter 243, HRS, is deposited each fiscal year into a special fund account 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 LFT. This funding supports the accomplishments explained above for Kauai, Oahu, Maui and Hawaii trail activities.

- 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. RTP is a Federal Highway Administration (FHWA) Program, under 23 USC 104(h) & 206. The Federal Highways Administration determined eligibility of RTP funds to DLNR, DOFAW 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 completed RTP obligation for the past fiscal year for DLNR was \$978,701 and DLNR is in the process

of closing this obligation pending FHWA approval (Appendix 1).

- Transient Accomodations Tax (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). The \$100,000 allocated to NAH pays for three NAH staff salaries who do the major trail work on Kauai, Oahu, and Maui.

- Commercial Trail Tour Activity (CTTA)

Act 106, SLH 1997, allows DLNR to develop user fees for commercial use of NAH trails and access routes. Revenues from these fees go back into trail and access management. The fees permit 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 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, CTTA fees are assessed per unit of use and based upon the potential trail impact by type of recreational uses. DOFAW also submits the 20% portion of this revenue to the Office of Hawaiian Affairs. For a complete list of current CTTA operators, visit: [www.hawaiitrails.org](http://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 CTTA Program Revenue: The fluctuation of the tourist industry is reflected in the following table. In FY 2012, Oahu received about 70% of the total revenues generated from CTTA fees. On the downside, Maui commercial tour interests are at a low point, as revenues were insignificant this year. Hopefully, the interest will increase next year. The Kauai and the Big Island's CTTA attractions remain constant with a slight increase over last year's revenues. Overall, a slight increase in total revenues helped DOFAW to manage its statewide trail system. CTTA fees charged to hiking, equestrian, and motorized off-highway

recreational activities contributed to about \$81,000 into our local economy which was a modest increase from last year.

CTTA Revenue	FY12	FY11	FY10	FY09	FY08	FY07	FY06	FY05
Kauai	\$16,248	\$12,691	\$18,432	\$19,574	\$41,792	\$35,973	\$ 37,332	\$34,273
Oahu	\$58,494	\$58,140	\$44,497	\$43,597	\$30,622	\$32,260	\$ 38,356	\$37,442
Maui	\$77	\$60	\$181	\$55	\$1,012	\$836	\$1,348	\$1,644
Hawaii	\$6,605	\$4,295	\$6,484	\$6,967	\$5,989	\$22,844	\$37,368	\$38,723
Total	\$81,424	\$75,186	\$69,594	\$70,193	\$79,415	\$91,913	\$114,404	\$112,082

FY 2012 CTTA SUMMARY OF USERS - NUMBER BY CATEGORY/COUNTY

CTTA Users	OAHU	KAUAI	HAWAII	MAUI	TOTAL
Hikers	10,627	46	526	14	11,213
4 Wheel Drive Passengers	0	1,693	538	0	2,231
Equestrian Riders	0	513	0	0	513
Motorcycle Riders	0	0	0	0	0
Mountain Bike Riders	6	0	0	0	6
Total	10,627	2,252	1,064	14	13,957

- NAH and Forestry Camping Fee

In order to increase NAH 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 and along designated NAH trails statewide. At its August 14, 2009 meeting, BLNR approved updated fees for the Forest Reserve System and Na Ala Hele System camping permits.

The 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 six campers for residents and a \$3 per person fee is accessed per site over six 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.

The reservation and payment information for camping are made through this website: <https://camping.ehawaii.gov/camping/all,c-search.html>. This system became operational in FY 2011 when the new ehawaii permitting system allowed the NAH Program to receive additional needed revenues. The camping data revenues along NAH features (doesn't include forestry campsites or cabins) are compiled by islands and are presented below.

The increased Big Island revenues can be attributed to the tourist attraction of the rugged 18 mile Muliwai trail which provides hikers with a typical tropical rainforest experience into the Waimanu Valley Campsite. With the overcrowding population in Honolulu, residents and visitors seek wilderness experiences along the rural trails of the leeward and windward areas of Oahu where most of camping activities exist. Finally, the Garden Isle of Kauai provides numerous camping opportunities along its trails with shelters and picnic tables afforded those who enjoy the outdoor living. A modest camping revenue increase from last year brings hope for a sustained camping program along DOFAW's trails and management areas.

**CAMPING REVENUE AMOUNTS BY ISLAND**

ISLAND	FY12	FY11
Hawaii	\$11,690	\$9,047
Kauai	\$2,897	\$4,639
Oahu	\$3,450	\$2,726
Maui	\$165	0
Total	\$18,202	\$16,412

- LNR 804 Na Ala Hele General Funds

General fund allocations of approximately \$1,209,371 were allocated in FY 2012. 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 to detail the NAH project accomplishments for this legislative report.

Na Ala Hele Funding & Revenue Table (Source)	FY12
Special Funds – fuel tax, TAT, CTTA – Ceiling	\$712,912.00
Federal Recreational Trails Program - Appropriation	\$978,701.00
LNR 804 NAH General Fund - Appropriation	\$1,209,371.00

**3. ANCIENT AND HISTORIC TRAILS**

Section 198D-3, HRS, requires an inventory of trails and accesses be maintained and recorded under the NAH database. 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.”

Under this Program, NAH is responsible for locating and determining whether a historic road or ancient trail falls under the Highways Act of 1892. Abstracts of title are a valuable tool to make this determination. It is done through historical research of documents, maps or other media. Subsequent county reviews of subdivision developments or state Conservation District Use Permits provide a means to evaluate whether an action will impact old trails or roads. For example, the County of Hawaii Planning Department has frequently requested NAH assistance to research county roads and trails to help them determine ownership or jurisdiction of those features. As urban growth increase on the Big Island, DLNR will support the County of Hawaii to mitigate further impact to ancient or historic trails. Additionally, further review by the Island Advisory Council can assess options for developing and restoring trail and non-vehicular access roads.

NAH staff has worked on declaring historic trail impacts that address the State’s interest in applying Section 264-1 HRS. If the historic trail is located on private property, subsequent laws may apply, pursuant to Chapters 6E, 171, 264, and 198D, HRS, following DLNR’s Land Division and State Historic Preservation Division mandates.

Additionally, these type of legal determinations are often processed through 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 through roads or trails is documented. Identifying ownership provides future options for recreational development and/or access.

In FY 2012, NAH completed 26 Abstracts and 15 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:

- Assisted DOFAW staff in coordinating the State’s interest in a lateral coastal trail through South Kona based on various court actions. This helps to protect several miles of a historic trail that was built in the late 1800s.



- Assisted DOFAW staff to establish public access to the Ka'u Forest Reserve through the old government road of Kaunamano-Kawala area.
- Assisted the Hawaii County Planning Department staff with identifying, abstracting and determining jurisdiction to various roads in the Kohala area.

Maui:

- Assisted DOFAW staff in determining ownership and jurisdiction of various roads to the Waihou Spring Forest Reserve.

Kauai:

- Assisted DLNR staff with abstract information for a Conservation District Use Application at Secret Beach on the island of Kauai.

**Hawaii Recreational Trails Program NRT1 (14) FY2012 Projected Trail-Road  
Budget  
Congressional District 2 - KAUAI BRANCH PROJECTS  
Kauai Trail and Access Road Project Description**

Kauai Trail and Access Road Project Description	FMIS Code/State Code	Distance	Budget \$\$
<b>Alakai Swamp Trail:</b> Brushing, tree-rock removal, water diversion, boardwalk-sign maintenance, grubbing, helicopter support.	Non-motorized Y053:AC558	3.5 mi.	4,350
<b>Awaawapuhi Trail:</b> Brushing, tree-rock removal, water diversion, sign maintenance, helicopter support, herbicide application, trailhead maintenance, grubbing.	Non-motorized Y053:AC558	3.1 mi.	4,023
<b>Iliau Nature Loop:</b> Brushing, tree-rock removal, water diversion-sign maintenance, trail shelter repair.	Non-motorized Y053:AC558	.3 mi.	3,386
<b>Kawaikoi Stream Trail:</b> Brushing, tree-rock removal, water diversion, boardwalk maintenance, herbicide application, trail shelter maintenance.	Non-motorized Y053:AC558	1.8 mi.	4,118
<b>Kohua Ridge Trail:</b> Brushing, tree-rock removal, water diversion, sign maintenance.	Non-motorized Y053:AC558	2.5 mi.	4,023
<b>Mohihi-Waialae Trail:</b> Brushing, tree-rock removal, water diversion-sign maintenance, herbicide application.	Non-motorized Y053:AC558	2.5 mi.	3,394
<b>Nounou East Trail:</b> Brushing, tree-rock removal, water diversion, sign-fence maintenance.	Non-motorized Y053:AC558	2.0 mi.	5,188
<b>Nounou West Trail:</b> Brushing, tree-rock removal, water diversion, sign-gate-fence maintenance, grubbing.	Non-motorized Y053:AC558	2.0 mi.	3,224
<b>Nualolo Cliff Trail:</b> Brushing, tree-rock removal, water diversion, sign installation and maintenance, grubbing, helicopter support, herbicide application, trail shelter maintenance.	Non-motorized Y053:AC558	2.1 mi.	3,613
<b>Okolehau Trail:</b> Brushing, tree-rock removal, sign maintenance, herbicide application, water diversion, grubbing.	Non-motorized Y053:AC558	2.3 mi.	4,033
<b>Pihea Trail:</b> Brushing, tree-rock removal, water diversion, boardwalk-sign maintenance, helicopter support, trail shelter maintenance.	Non-motorized Y053:AC558	3.8 mi.	4,010
<b>Poomau Canyon Vista Trail:</b> Brushing, tree-rock removal, water diversion, sign maintenance.	Non-motorized Y053:AC558	0.5 mi	3,297
	<b>Non-motorized Y053:AC558 Totals</b>	<b>26.4 mi.</b>	<b>46,659</b>
<b>Koaie Canyon Trail:</b> Brushing, grubbing, tree-rock removal, water diversion, helicopter support, herbicide application, trail shelter maintenance.	Diversified- nonmotorized Y054:AC586	3.0 mi.	2,165
<b>Kuamoo Trail:</b> Grubbing, brushing, tree-rock removal, water diversion, sign maintenance, herbicide application	Diversified- nonmotorized Y054:AC586	2.0 mi.	1,000
<b>Kukui Trail:</b> Grubbing, brushing, tree-rock removal, water diversion, sign maintenance, trail shelter maintenance, herbicide application.	Diversified- nonmotorized Y054:AC586	2.5 mi.	1,026
<b>Kuilau Trail:</b> Grading, brushing, tree-rock removal, water diversion, hardscaping, sign maintenance, trail shelter maintenance, herbicide application, gate maintenance.	Diversified- nonmotorized Y054:AC586	2.1 mi.	1,000
<b>Moelepe Trail:</b> Grubbing, grading, brushing, tree-rock removal, water diversion, sign-gate maintenance, and herbicide application.	Diversified- nonmotorized Y054:AC586	2.5 mi	1,065
<b>Nualolo Trail:</b> Brushing, tree-rock removal, water diversion, sign maintenance, helicopter support, herbicide application, trailhead maintenance.	Diversified- nonmotorized Y054:AC586	3.8 mi.	1,011
<b>Puuki-Waialae Trail:</b> Grading, brushing, tree removal, water diversion, hardscaping, sign maintenance, herbicide application.	Diversified- nonmotorized Y054:AC586	11 mi.	986
<b>Waimea Canyon Trail:</b> Brushing, tree-rock removal, sign maintenance.	Diversified- nonmotorized Y054:AC586	2.5 mi.	1,772
<b>Contour Road:</b> Grading, brushing, tree removal, water diversion maintenance, landscaping, sign maintenance, herbicide application, gate	Diversified- motor/nonmotor	6.3 mi.	1,347

<b>Kauai Trail and Access Road Project Description</b>	<b>FMIS Code/State Code</b>	<b>Distance</b>	<b>Budget \$\$</b>
maintenance.	Y055:AC559		
<b>Haelele Road:</b> Grading, brushing, tree removal, water diversion maintenance, landscaping, sign maintenance, herbicide application, gate maintenance.	Diversified-motor/nonmotor Y055:AC559	6.5 mi.	1,326
<b>Kaaweiki Ridge Access Road: Grading, brushing, tree removal, water diversion maintenance, landscaping, sign maintenance, herbicide application, gate maintenance.</b>	Diversified-motor/nonmotor Y055:AC559	4.3 mi.	1,347
<b>Kauhao Ridge Access Road:</b> Grading, brushing, water diversion-sign maintenance, herbicide application, gate maintenance.	Diversified-motor/nonmotor Y055:AC559	5.0 mi.	1,584
<b>Lapa Ridge Road:</b> Grading, brushing, tree removal, water diversion maintenance, landscaping, sign maintenance, herbicide application, gate maintenance.	Diversified-motor/nonmotor Y055:AC559	3.5 mi.	1,347
<b>Makaha Arboretum Access Road:</b> Grading, brushing, tree removal, water diversion maintenance, sign maintenance, herbicide application, gate maintenance.	Diversified-motor/nonmotor Y055:AC559	3.8 mi.	2,010
<b>Milolii Ridge Access Road:</b> Grading, brushing, tree removal, water diversion maintenance, sign maintenance, herbicide application, gate maintenance	Diversified-motor/nonmotor Y055:AC559	6.1 mi.	8,512
<b>Mohihi-Camp 10 Access Road:</b> Grading, brushing, tree removal, water diversion, sign maintenance, herbicide application, gate maintenance.	Diversified-motor/nonmotor Y055:AC559	1.3 mi.	2,204
<b>Papaalai Road:</b> Grading, brushing, tree removal, water diversion-sign maintenance herbicide application, gate maintenance.	Diversified-motor/nonmotor Y055:AC 559	3.0 mi.	1,551
<b>Pine Forest Access Road:</b> Grading, brushing, tree removal, water diversion-sign maintenance herbicide application, gate maintenance.	Diversified-motor/nonmotor Y055:AC 559	5.3 mi.	1,271
<b>Polihale Ridge Access Road:</b> Grading, brushing, tree removal, water diversion-sign maintenance, herbicide application, gate maintenance.	Diversified-motor/nonmotor Y055:AC559	3.0 mi.	18,773
<b>Powerline Trail:</b> Monitor, maintenance, clearing of trees, brush, and grubbing.	Diversified-motor/nonmotor Y055:AC559		
<b>Wailua Forest Management Road:</b> Grading, brushing, tree-rock removal, water diversion-sign maintenance, herbicide application.	Diversified-motor/nonmotor Y055:AC559	31.3 mi.	30,846
<b>(Subtract \$8,541 YO53; \$8,542 YO54 Add \$17,083 to YO57)</b>	<b>Diversified YO54/57:AC586/ 557 Totals</b>	<b>108.8 mi.</b>	<b>82,143</b>
<b>DOFAW working with Kauai County for a County OHV:</b>	<b>Motorized YO56:AC587 Totals</b>		<b>55,200</b>

**Hawaii Recreational Trails Program NRT1 (14) FY2012 Projected Trail-Road  
Budget  
CONGRESSIONAL DISTRICT 2 - HAWAII BRANCH PROJECTS  
Hawaii Trail and Access Road Project Description**

<b>Hawaii Trail and Access Road Project Description</b>	<b>FMIS Code/State Code</b>	<b>Distance</b>	<b>Budget \$\$</b>
<b>Ainapo Trail:</b> Brushing, tree branch removal, sign installation and maintenance, helicopter support, rebuild ahus.	Non-motorized Y053:AC558	10.2 mi.	5,618
<b>Ala Kahakai Trail:</b> Grading, re-construction, brushing, water diversion, sign installation and maintenance, tree branch removal, helicopter support.	Non-motorized Y053:AC558	7.7 mi.	5,002
<b>Doctor's Pit Trail:</b> Grading, re-construction brushing, water diversion, sign installation and maintenance, tree branch removal.	Non-motorized Y053:AC558	0.4 mi.	3,958
<b>Kaulana Manu Native Bird &amp; Plant Sanctuary:</b> Brushing, tree removal, water diversion, hardscaping, sign installation and maintenance, reconstruction & re-route, rubbish disposal.	Non-motorized Y053:AC558	0.7 mi.	8,332
<b>Kaumana Trail:</b> Brushing, tree branch removal, sign installation and maintenance, rebuild ahus.	Non-motorized Y053:AC558	3.0 mi.	4,225
<b>Keauhou-Napoopoo Trail:</b> sign installation and maintenance, brushing, herbicide ( currently closed to public access, pending negotiations).	Non-motorized Y053:AC558	4.0 mi.	4,192
<b>Onomea Trails:</b> Grading, re-construction, brushing, water diversion, sign installation and maintenance	Non-motorized Y053:AC558	1.2 mi.	3,941
<b>Puakea Bay Trail:</b> Brushing, re-construction, water diversion, sign installation, helicopter support.	Non-motorized Y053:AC558	0.5 mi.	5,312
<b>Puna Trail:</b> Grading, re-construction brushing, water diversion, sign installation and maintenance, tree branch removal, herbicide.	Non-motorized Y053:AC558	2.5 mi.	3,643
<b>Puu Huluhulu Trail:</b> Grading, re-construction, brushing, water diversion, sign installation and maintenance.	Non-motorized Y053:AC558	0.6 mi.	3,546
	<b>Non-Motorized Y053:AC558 Totals</b>	<b>30.8 mi.</b>	<b>47,769</b>
<b>Humuula Trail:</b> Grading, re-construction, brushing, water diversion, sign installation and maintenance, tree branch removal, herbicide.	Diversified nonmotorized Y054:AC586	10.5 mi.	5,226
<b>Muliwai Trail:</b> Grading, re-construction, brushing, water diversion, sign installation and maintenance, herbicide, helicopter support.	Diversified nonmotorized Y054:AC586	18.0 mi.	33,513
<b>Pololu Trail:</b> Grading, re-construction, brushing, water diversion, sign installation and maintenance, herbicide.	Diversified nonmotorized Y054:AC586	1.0 mi.	4,414
<b>Puu Oo Horse Trail:</b> Grading, re-construction, brushing, sign installation and maintenance, rebuild ahus, helicopter support.	Diversified nonmotorized Y054:AC586	7.4 mi.	4,664
<b>Upper Waiakea Bike Park:</b> Bulldozing, brushing, tree removal, water diversion, hardscaping, sign installation & maintenance, reconstruction & re-route, rubbish disposal.	Diversified nonmotorized Y054:AC586	2,000 acres 56 mi.	17,047
<b>Ainapo Access Road</b> Grading, water diversion, sign installation and maintenance.	Diversified nonmotorized motorized Y055:AC559	16.0 mi.	6,216
<b>Mauna Kea Access Road:</b> Grading, water diversion, sign installation and maintenance.	Diversified nonmotorized motorized Y055:AC559	32.0 mi.	5,327
<b>Mauna Loa Observatory Access Road:</b> Grading, water diversion, brushing, sign installation and maintenance	Diversified nonmotorized motorized Y055:AC559	35.0 mi.	5,327
<b>Puu Laau Access Road:</b> Grading, water diversion, sign installation and maintenance.	Diversified nonmotorized motorized Y055:AC559	8.4 mi.	4,735

Hawaii Trail and Access Road Project Description	FMIS Code/State Code	Distance	Budget \$\$
	Diversified YO54/55:AC586 /559 Totals	184.3 mi.	86,469
<b>Mauna Kea ATV Dirt Bike Riding Area:</b> Bulldozing, brushing, tree removal, water diversion, sign installation & maintenance, rubbish disposal.	Motorized YO56:AC587	56 miles	40,274
<b>Upper Waiakea ATV/Dirtbike Park:</b> Bulldozing, brushing, tree removal, water diversion, hardscaping, sign installation & maintenance, reconstruction & re-route, rubbish disposal.	Motorized YO56:AC587	2,000 acres 56 mi.	41,661
(Subtract \$17,083 YO53 Add \$17,083 to YO56)	Motorized YO56:AC587 Totals	112 mi. 2,000 ac.	81,935
	<b>(Hawaii Totals)</b>		
	Non-motorized YO53:AC558 Totals	30.8 mi.	47,769
	Diversified YO54/55:AC586 /559 Totals	184.3 mi.	86,469
	Motorized YO56:AC587 Totals	112 mi. 2,000 ac.	81,935

**Hawaii Recreational Trails Program NRT1 (14) FY2012 Projected Trail-Road Budget**  
**(CONGRESSIONAL DISTRICT 1) - OAHU BRANCH PROJECTS**  
**Oahu Trail and Access Road Project Description**

Oahu Trail and Access Road Project Description	FMIS Code/State Code	Distance	Budget \$\$
<b>Kulana'ahane Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support	Non-motorized YO53:AC558	2.3 mi.	3,385
<b>Honolulu-Mauka (17 Trails System):</b> Grading, brushing, tree removal, water diversion, hardscaping, boardwalk maintenance and installation, sign maintenance, herbicide application.	Non-motorized YO53:AC558	15.5 mi.	7,944
<b>Manoa Falls Trail (High Use):</b> Grading, brushing, tree removal, water diversion, hardscaping, boardwalk maintenance and installation, sign maintenance, herbicide application.	Non-motorized YO53:AC558	0.8 mi.	12,145
<b>Maunawili Ditch Trails-Waimanalo Road:</b> Grading, brushing, tree removal, water diversion, sign maintenance, herbicide application, helicopter support.	Non-motorized YO53:AC558	12.75 mi.	11,273
<b>Maunawili Falls (High Use):</b> Grading, brushing, tree removal, water diversion, sign maintenance, herbicide application, helicopter support, trail hardscaping, planning.	Non-motorized YO53:AC558	1.25 mi.	8,257
	Non-motorized YO53:AC558 Totals	32.6 mi.	43,004
<b>Hawaiiloa Ridge Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support, step installation.	Diversified-nonmotorized YO54:AC586	3.5 mi.	4,614
<b>Kamananui Valley Road:</b> Grading, brushing, tree removal, hardscaping, water diversion, sign maintenance, herbicide.	Diversified-nonmotorized YO54:AC586	4.0 mi.	4,544
<b>Kuliouou Valley and Ridge Trails:</b> Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support, step installation.	Diversified-nonmotorized YO54:AC586	3.0 mi.	4,650
<b>Manana Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance, herbicide application helicopter support.	Diversified-nonmotorized	6.0 mi.	5,212

Oahu Trail and Access Road Project Description	FMIS Code/State Code	Distance	Budget \$\$
	Y054:AC586		
<b>Sand Island Bike Park:</b> Design, permits, fencing, parking construction, water connection, grading and trail construction, planting.	Diversified-nonmotorized Y054:AC586	30 acres	10,496
<b>Waimano Trails:</b> Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support, herbicide.	Diversified-nonmotorized Y054:AC586	7.2 mi.	6,212
<b>Wiliwili Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support, step installation, herbicide.	Diversified-nonmotorized Y054:AC586	3.0 mi.	4,668
	<b>Diversified Y054:AC586 Totals</b>	<b>26.7 mi. 30 acres</b>	<b>40,396</b>
<b>DOFAW Coordination:</b> Motorized section of Sand Island OHV Park.	<b>Motorized Y056:AC587 Totals</b>		<b>31,648</b>

**Hawaii Recreational Trails Program NRT1 (14) FY2012 Projected Trail-Road  
Budget  
(CONGRESSIONAL DISTRICT 2) - OAHU BRANCH PROJECTS  
Oahu Trail and Access Road Project Description**

Oahu Trail and Access Road Project Description	FMIS Code/State Code	Distance	Budget \$\$
<b>Kaiwa Ridge Trail:</b> Grading, brushing, hardscaping, sign maintenance, planning.	Non-motorized Y053:AC558	1.0 mi.	9,000
<b>Poamoho Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support, herbicide.	Non-motorized Y053:AC558	3.0 mi.	1,894
<b>Schofield-Waikane Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support. ( <i>pending access agreement</i> )	Non-motorized Y053:AC558	3.5 mi.	0
	Non-motorized Y053:AC558 Totals	<b>7.5 mi</b>	<b>10,894</b>
<b>Hauula-Maakua-Papali Trails:</b> Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support.	Diversified-nonmotorized Y054:AC586	5.0 mi.	5,103
<b>Kaunala Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance.	Diversified-nonmotorized Y054:AC586	2.5 mi.	3,020
<b>Kealia Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance, herbicide.	Diversified-nomotorized Y054:AC586	2.3 mi.	3,186
<b>Kuaokala Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance, herbicide.	Diversified-nonmotorized Y054:AC586	2.5 mi.	2,853
<b>Kealia Access Road:</b> Grading, brushing, tree removal, water diversion, sign maintenance, herbicide.	Diversified-nonmotorized motorized Y055:AC559	1.5 mi.	2,734
<b>Kuaokala &amp; Mokuleia Firebreak Roads:</b> Grading, brushing, tree removal, water diversion, sign maintenance, herbicide.	Diversified-nonmotorized	10.8 mi.	14,601

Oahu Trail and Access Road Project Description	FMIS Code/State Code	Distance	Budget \$\$
	motorized Y055:AC559		
<b>Poamoho Hele Loa Access Road:</b> Grading, brushing, tree removal, hardscaping, water diversion, sign maintenance, herbicide.	Diversified-nonmotorized motorized Y055:AC55 9	2.5 mi.	11,358
	Diversified YO54/57:AC586/ 557Total	<b>27.1 mi</b>	<b>42,855</b>
<b>Kahuku OHV Park (Hawaii Motorsports Association)</b> Access road grading, track grading and re-construction, trail grading and re-construction, rubbish disposal, fencing materials, water supply management, equipment rental.	Motorized Y056:AC587	500 acres 30.5 mi.	39,332
	<b>Motorized Y056:AC587 Total</b>	<b>530 acres</b>	<b>39,332</b>
	<b>(Oahu Totals)</b>		
(Subtract \$8,541 YO53; \$8,542 YO54 Add \$8,541 to YO56; \$8,542 to YO57)	Non-motorized YO53:AC558 Totals	<b>40.1 mi.</b>	<b>53,898</b>
	Diversified YO54/57:AC586/ 557Totals	<b>53.8 mi. 30 acres</b>	<b>83,251</b>
	<b>Motorized Y056:AC587 Totals</b>	<b>530 acres</b>	<b>70,980</b>

**Hawaii Recreational Trails Program NRT1 (14) FY2012 Projected Trail-Road  
Budget**

**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	FMIS Code/State Code	Distance	Budget \$\$
<b>Haleakala Ridge Trail:</b> Grading, Brushing, water diversion, tree removal, sign maintenance.	Non-motorized Y053:AC558	1.6 mi.	2,213
<b>Hoapili Trail:</b> Brushing, tree removal, sign installation and maintenance.	Non-motorized Y053:AC558	5.5 mi.	4,218
<b>Ke Alaloe O Maui:</b> Brushing, tree removal, sign installation and maintenance.	Non-motorized Y053:AC558	3.0 mi.	1,968
<b>Keanae Arboretum:</b> Brushing, herbicide application, tree removal, sign maintenance.	Non-motorized Y053:AC558	0.6 mi.	1,968
<b>Lahaina Pali Trail:</b> Grading, water diversion, sign installation, herbicide and weeding.	Non-motorized Y053:AC558	5.5 mi.	4,508
<b>Mokuleia Stairs Beach Access:</b> Brushing, water diversion, install boardwalk, sign installation and maintenance.	Non-motorized Y053:AC558	250 ft.	7,013
<b>Ohai Loop Trail:</b> Brushing, grading, water diversion, sign installation and maintenance.	Non-motorized Y053:AC558	1.2 mi.	6,514
<b>Plum Trail:</b> Grading, brushing, water diversion, tree removal, sign installation and maintenance.	Non-motorized Y053:AC558	1.7 mi.	2,737
<b>Polipoli Trail:</b> Grading, brushing, water diversion, sign installation and maintenance.	Non-motorized Y053:AC558	0.6 mi.	2,992

<b>Maui Trail and Access Road Project Description</b>	<b>FMIS Code/State Code</b>	<b>Distance</b>	<b>Budget \$\$</b>
<b>Tie Trail:</b> Grading, Brushing, water diversion, tree removal, sign maintenance.	Non-motorized Y053:AC558	0.5 mi.	3,428
<b>Waihee Ridge Trail:</b> Grading, brushing, water diversion, boardwalk installation, herbicide application, sign maintenance.	Non-motorized Y053:AC558	2.5 mi.	4,331
<b>Waihou Spring Trail:</b> Grading, Brushing, water diversion, tree removal, sign maintenance.	Non-motorized Y053:AC558	1.0 mi.	4,809
<b>Waikamoi Ridge Trail:</b> Brushing, hardscaping, boardwalk installation, tree removal, herbicide application, sign maintenance.	Non-motorized Y053:AC558	0.8 mi.	1,997
<b>Waiohuli Lower Trail:</b> Grading, Brushing, water diversion, tree removal, sign maintenance.	Non-motorized Y053:AC558	1.4 mi.	2,922
	<b>Non-motorized Y053:AC558 Total</b>	<b>25.9 mi.</b>	<b>51,618</b>
<b>Boundary Trail:</b> Grading, brushing, water diversion, tree removal herbicide, sign maintenance.	Diversified- nonmotorized Y054:AC586	4.4 mi.	3,736
<b>Kahakapao Loop Trail:</b> Brushing, sign installation and maintenance, water diversion, grading, tree removal,.	Diversified- nonmotorized Y054:AC586	5.7 mi.	16,500
<b>Mamane Trail:</b> Grading, Brushing, water diversion, tree removal, sign maintenance.	Diversified- nonmotorized Y054:AC586	1.8 mi.	3,541
<b>Redwood Trail:</b> Grading, brushing, water diversion, tree removal, sign maintenance.	Diversified- nonmotorized Y054:AC586	1.7 mi.	1,725
<b>Skyline Trail:</b> Brushing, tree removal, sign maintenance.	Diversified- nonmotorized Y054:AC586	6.8 mi.	1,444
<b>Waiakoa Loop Trial:</b> : Grading, Brushing, water diversion, tree removal, sign maintenance.	Diversified- nonmotorized Y054:AC586	3.0 mi.	6,657
<b>Waiakoa Upper Trail:</b> Grading, Brushing, water diversion, tree removal, sign maintenance.	Diversified- nonmotorized Y054:AC586	7.0 mi.	11,703
<b>Waiohuli Upper Trail:</b> Grading, Brushing, water diversion, tree removal, sign maintenance.	Diversified nonmotorized Y054:AC586	4.0 mi.	3,180
<b>Maui Moto X Track:</b> 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.	Diversified motorized Y057:AC557	17 acres	85,455
<b>Wahikuli OHV Park:</b> Development	Diversified- motorized Y057:AC557	670 acres	21,732
<b>Waipoli Access Road:</b> Grading, brushing, water diversion, sign maintenance.	Diversified motorized/ nonmotorized Y055:AC559	8.1 mi.	15,732
	<b>Diversified Y054/55/57: AC586/557/559 Total</b>	<b>39.5 mi. 687 acres</b>	<b>85,950</b>
	<b>Motorized Total Y056:AC587</b>		<b>85,455</b>



<b>Maui Trail and Access Road Project Description</b>	<b>FMIS Code/State Code</b>	<b>Distance</b>	<b>Budget \$\$</b>
<b>Molokai Trail and Access Road Project Description</b>	<b>FMIS Code/State Code</b>	<b>Distance</b>	<b>Budget \$\$</b>
<b>Kaulahuki Trail:</b> Grading, brushing, water diversion, tree removal, sign maintenance.	Non-motorized Y053:AC558	2.1 mi	0
	<b>Non-motorized Y053:AC558 Total</b>	<b>2.1 mi.</b>	0
<b>Kahanui Access Road:</b> Brushing, tree removal, water diversion, sign maintenance.	Diversified- motorized/ nonmotorized Y055:AC559	3.3 mi.	0
<b>Maunahui-Makakupaia Access Road:</b> Grading, brushing, water diversion, tree removal, sign maintenance.	Diversified- motorized/ nonmotorized Y055:AC559	9.8 mi	10,000
	<b>Diversified Y057:AC557 Total</b>	<b>13.1 mi.</b>	<b>10,000</b>
<b>Lanai Trail and Access Road Project Description</b>	<b>FMIS Code/State Code</b>	<b>Distance</b>	<b>Budget \$\$</b>
<b>Hulopoe-Huawai Fisherman Trail:</b> Grading, brushing, water diversion, sign maintenance.	Non-motorized Y053:AC558	2.0 mi.	4,500
<b>Kanepuu Dryland Forest Trail:</b> Grading, brushing, tree removal, sign maintenance.	Non-motorized Y053:AC558	0.5 mi.	3,713
	<b>Non-motorized Y053:AC558 Total</b>	<b>2.5 mi.</b>	<b>8,213</b>
<b>#3 Access Road:</b> Grading	Diversified- motorized/ nonmotorized Y055:AC559	1.06 mi.	766
<b>#5 Access Road:</b> Grading	Diversified- motorized/ nonmotorized Y055:AC559	1.78 mi.	766
<b>#7 Access Road:</b> Grading	Diversified- motorized/ nonmotorized Y055:AC559	1.6 mi.	766
<b>#57 Access Road:</b> Grading	Diversified- motorized/ nonmotorized Y055:AC559	3.42 mi.	766
<b>Awalua Access Road:</b> Grading	Diversified- motorized/ nonmotorized Y055:AC559	3.66 mi.	0
<b>Federation Camp Access Road:</b> Grading	Diversified- motorized/ nonmotorized Y055:AC559	1.24 mi.	766

<b>Maui Trail and Access Road Project Description</b>	<b>FMIS Code/State Code</b>	<b>Distance</b>	<b>Budget \$\$</b>
<b>Guard Access Road:</b> Grading	Diversified-motorized/ nonmotorized Y055:AC559	38.2 mi.	766
<b>Honopu Access Road:</b> Grading	Diversified-motorized/ nonmotorized Y055:AC559	3.22 mi.	766
<b>Kaena Access Road:</b> Grading	Diversified-motorized/ nonmotorized Y055:AC559	3.75 mi.	766
<b>Kahua Access Road:</b> Grading	Diversified-motorized/ nonmotorized Y055:AC559	5.41 mi.	766
<b>Kahue Access Road:</b> Grading	Diversified-motorized/ nonmotorized Y055:AC 559	4.15 mi.	766
<b>Keone Access Road:</b> Grading	Diversified-motorized/ nonmotorized Y055:AC559	1.74 mi.	766
<b>Kuamoo Access Road:</b> Grading	Diversified-motorized/ nonmotorized Y055:AC559	.94 mi.	766
<b>Lapaiki Access Road:</b> Grading	Diversified-motorized/ nonmotorized Y055:AC559	3.8 mi.	2,887
<b>Mahana Access Road:</b> Grading	Diversified-motorized/ nonmotorized Y055:AC559	1.52 mi.	766
<b>Nanahoa Access Road:</b> Grading	Diversified-motorized/ nonmotorized Y055:AC559	1.05 mi.	766
<b>Naupaka Access Road:</b> Grading	Diversified-motorized/ nonmotorized Y055:AC559	.97 mi.	766
<b>Paliamoto Access Road:</b> Grading	Diversified-motorized/ nonmotorized Y055:AC559	.41 mi.	766
<b>Lanai Trail and Access Road Project Description:</b>	Diversified YO55:AC55 9 Total	77.92 mi.	15,143
	<b>(Maui Totals)</b>		
<b>(Subtract \$17,083 YO53 Add \$8,541 to YO56 and \$8,542 to YO57)</b>	<b>Non-motorized YO53:AC558 Totals</b>	<b>34.5 mi.</b>	<b>59,831</b>
	<b>Diversified YO54/57:AC586</b>	<b>130.52 mi. 687 acres</b>	<b>111,093</b>

Maui Trail and Access Road Project Description	FMIS Code/State Code	Distance	Budget \$\$
	/557 Totals		
	Motorized YO56:AC587 Totals		85,455