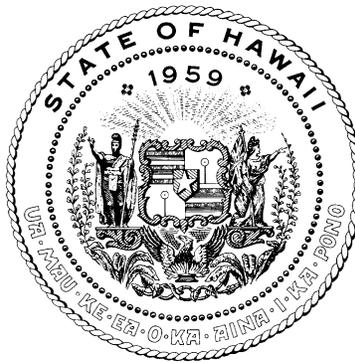


**REPORT TO THE TWENTY-EIGHTH LEGISLATURE  
REGULAR SESSION OF 2016**

**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  
November 2015**

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“Na Ala Hele”**

**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, a report is required to highlight DLNR’s accomplishments in Fiscal Year 2015.

**INTRODUCTION**

Na Ala Hele (NAH), 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, Division of Forestry and Wildlife (DOFAW). This report is cataloged into four sections:

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

**1. PROGRAM NEEDS**

Section 198D-3, HRS, requires DLNR to create a trail inventory and database for historic trails, historic non-vehicular government roads, and historic cart roads as provided by the Highways Act of 1892, Section 264-1, HRS “(b) All trails, and other nonvehicular rights-of-way in the State . . . are declared to be public trails.” The Board of Land and Natural Resources has direct authority over a public trail, unless it was dedicated to a County.

The current FY 2016 General Fund budget for Na Ala Hele Trails is \$1.4 million General Funds (8% Operations), \$1 million Special funds (57% Operations), and \$1.2 million federal funds (100 % Operations). The LNR 804 Trail’s Budget has been static (no increases) for the last decade. But the public demands for Statewide Outdoor Recreation opportunities continue to stress Statewide Trails Staff to safely maintain these trail features. The current inventory of 124 Trail and Road access features covering 855 miles statewide is daunting to maintain with a limited budget and staff. On the Island of Hawaii, a single individual is responsible for managing East and West Hawaii with the majority of the work and demands occurring on the west side of Hawaii Island.

The “Unfunded Liability” to negotiate the Highway’s Act of 1892 provisions on private land is divisive and highly scrutinized by the public. DLNR has survived a contentious litigation of the

historic “Bridle Trail” by Maui PATH. However, the lawsuit was costly to all parties involved including DLNR. The limited trail budget suffered from this “unfunded trail liability” because less money was available for routine trail maintenance. Kauai and Hawaii Islands have historic trails where the public has repeatedly crossed or trespassed on private property using the Highways Act of 1892 as their claim to access a historic trail.

The dramatic increase of people visiting DLNR’s major popular trails presents a challenge to safely maintain all trail features. Social media has dramatically increased traffic on some popular trails. DLNR estimates nearly 100,000 hikers per year visit Oahu’s popular Manoa Falls and Maunawili Falls Trails. Community complaints over public parking in community neighborhoods to access trail heads have grown with exposure and use. On the Big Island, the Muliwai Trail provides a difficult hike over 18 miles of scenic coastal areas through numerous streams and water falls. With a limited crew, DLNR is stressed to maintain this rugged 18 mile trail. On Maui, locating a suitable off-highway-vehicle (OHV) site that meets all of OHV users, hikers, mountain bikers, equestrian, hunters, and dirt biker’s satisfaction continues to be a problem. On Kauai, staff maintains the pristine Alakai native forest hiking boardwalk, but high maintenance costs due to vandalism have limited routine maintenance of other trails. Management of hunting dog and pet dog conflicts on trails are an ongoing issue, with the Na Ala Hele program tasked with finding balance between user groups. With the daily hiking numbers increasing over DLNR’s current trail carrying capacity, DLNR proposes legislative budget increases in personnel and operation funding as a solution.

DLNR strategy is to add positions and increase the trail operations budget to accommodate the public’s demands for continued outdoor recreation opportunities on all the islands.

## **2. 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 inventory and ownership documentation of specific historic trails and road alignments 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:

- Assist county search and rescue efforts;
- Provide access for native flora, fauna and watershed protection and management work;
- Monitor and remove invasive plant and animal species;
- Control wild land fires;
- Protect Hawaiian cultural, ancient and historic trails;
- Provide recreational opportunities including hunting, hiking, biking, equestrian, and off-highway vehicle activities;
- Provide commercial trail 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 and operate commercial trail tour management and monitoring;
- Assess and implement 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 statewide 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 hamper trail use;
- Water diversion - grading trails to avoid water damage;
- 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: High use on Oahu trails creates challenges on limited trail staff to maintain the popular network of wildland trails. Oahu's trails are well-used and well-loved by thousands of enthusiasts engaged in healthy outdoor activity, and despite urban interface issues at several trailheads, the program impact is overwhelmingly positive. Major work includes: brushing, grubbing, tree/rock removal, herbicide application, trail head maintenance, sign installation and replacement, and rockwork. Major priority is to keep all trails under DLNR safe for all users. Oahu staff provided continued support of the Kahuku OHV Park management and met with Hawaii Motorsport Association to discuss future improvements.

Maui: The Kahakapao Recreational Area in the Makawao Forest Reserve was dedicated last year and work continues to improve this area on Maui. Staff completed routine 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. Maui staff has continued to provide maintenance support of the Maui Motocross Track including: landscaping maintenance, removing rubbish and debris, hauling materials and equipment maintenance.

Hawaii: The lone Trails Specialist on Hawaii Island is responsible for maintaining and expanding the Waiakea OHV Park. The Kipuka 21 Project which is a popular native forest area off of Saddle Road where visitors can experience native flora and fauna in a pristine setting is developing into a visitor attraction. West Hawaii Projects include the Historic National Ala Kahakai Trail, Hookena Trail, South Kona Judd Trail and Ala Loa Trail. Negotiating with private landowners is key to allowing public access to these areas. Routine trail maintenance and improvements include: Ainapo Trail, Doctor's Pit Trail, Ala Kahakai Trail, Puu Huluhulu Trail, Puna Trail, Onomea Trail, and Kaumana Trail. Brushing, tree removal, sign maintenance, helicopter support, and reconstruction make up the bulk of the work. Routine quarterly maintenance on Upper Waiakea ATV/Dirt Bike Park continued, including minor grading and sign maintenance of the park.

Kauai: The Kauai NAH Advisory Committee met several times in FY 2015, and the priority continues to be recruiting new volunteer members. Work to repair the Alakai Boardwalk and coordinating volunteer groups to help DLNR maintain 12 NAH features continues. The popular Nualolo Cliff Trail reroute of a 0.3 mile section that was damaged from wear and tear will begin shortly. Other routine trail work includes; brushing, grubbing, tree/rock removal, herbicide application, signage maintenance, and trail-head maintenance of Alakai Swamp Trail, Nualolo Cliff Trail, Pihea Trail, and Awaawapuhi Trail.

### **3. 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 (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. 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, and 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 approved eligibility of RTP funds to DLNR, Division of Forestry and Wildlife

through a set criterion that States develop a trail council consisting of motorized and non-motorized 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 Department's RTP obligation for the past fiscal year is about \$1,300,000. DLNR anticipates closing this obligation then pending FHWA approval receive new funding for the next fiscal period.

- TAT Allocation by the 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 was used to pay three NAH staff salaries who do the major trail work on Kauai, Oahu, and Maui. Unfortunately, this funding stopped, and DLNR is negotiating with HTA to receive this much needed support soon.

- 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 while increasing economic activities in the State.

A strategic CTTA scheduling management was developed 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 then 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 submits the 20% portion of this revenue to 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 tourist industry that drives Hawaii’s economy is reflected in the following table. Revenues dropped 56% from FY 14. Maui commercial tour interests was dormant the first half of the year, but picked up at the beginning of 2016 to report a moderate increase from the previous year. The unexpected drop in CTTA revenues is cyclic to Hawaii’s visitor industry and the numbers do not include hikers who have free access to our recreation facilities that are not commercial related.

CTTA Revenue	FY15	FY14	FY13	FY12	FY11	FY10	FY09	FY08
Kauai	\$1,352	\$2,892	\$6,913	\$16,248	\$12,691	\$18,435	\$19,574	\$41,792
Oahu	\$22,216	\$43,406	\$44,652	\$58,459	\$58,140	\$44,497	\$43,597	\$30,622
Maui	\$1,232	\$759	\$76	\$77	\$60	\$181	\$55	\$1,012
Hawaii	\$5,172	\$6,006	\$2,920	\$6,605	\$4,295	\$6,484	\$6,967	\$5,989
Total	\$29,972	\$53,063	\$54,561	\$81,389	\$75,186	\$69,597	\$70,193	\$79,415

FY 2015 CTTA SUMMARY OF USERS - NUMBER BY CATEGORY/COUNTY

CTTA Users	OAHU	KAUAI	HAWAII	MAUI	TOTAL
Hikers	5,560	58	670	308	6,596
4 Wheel Drive Passengers	0	222	566	0	788
Equestrian Riders	0	0	0	0	0
Motorcycle Riders	0	0	0	0	0
Mountain Bike Riders	0	0	0	0	0
Total	5,560	280	1,236	308	7,384

- LNR 804 Na Ala Hele General Funds

General fund allocations of approximately \$1,407,726 were allocated in FY 2016. Due to reductions in general fund revenues over the past years, payroll did not meet the current staff costs. To make up the shortfall, the NAH program used all of the federal funding and State special funds available to support basic payroll and operating expenses.

Na Ala Hele Funding & Revenue Table (Source)	FY16
Special Funds – fuel tax, TAT, CTTA Appropriation	\$1,082,471.00
Federal Recreational Trails Program Appropriation	\$1,300,000.00
LNR 804 General Fund – Appropriation (shared with wildlife)	\$1,407,726.00

#### **4. 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 unless it was created by or dedicated to a particular county, in which case it shall be under the jurisdiction of that county.”

NAH provides information for locating and determining whether a historic road or ancient trail falls under the Highways Act of 1892. Abstracts of title help make this determination by historical research, maps or other related media.

Additionally, these types of legal determinations are 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 and submitted before the Land Board for final Approval.

The NAH Program completed 36 abstracts and 6 Quiet Title Action reviews.

## Summary of Ancient and Historic Trail Projects:

### Hawaii

Abstractor helped Big Island staff to determine access routes to landlocked areas of the Hilo Forest Reserve. In addition, this work allowed the Land Board to approve a MOA with a landowner to provide pedestrian and hunting access to the Hilo Forest Reserve. Continued review of various requests from the County of Hawaii Planning Department with the disposition of proposed development impacting historic trails for residential and commercial projects.

### Maui

Provided information to Branch staff on impacts of Projects identified by the Highways Act of 1892. Based on the information, the Branch staff entered into a MOA to provide public access through private property.

### Kauai

Assisted NAH staff request for information regarding historic trail along the North shore of Kauai. Also, abstracted research of finding a suitable access to Moloaa Forest Reserve. Attended several public meetings regarding historic trails on the island of Kauai.

### Oahu

Assisted Branch staff on a historic trail that crosses over a proposed Agriculture Subdivision at Mokuleia, Oahu. Provided response to a subdivision review at Poamoho to County Planning and Permitting to access Poamoho Forest Reserve.



## Appendix I

### Hawaii Recreational Trails Program NRT1 (18) FY2016 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.	20,000
<b>Awaawapuhi Trail:</b> Brushing, tree-rock removal, water diversion, sign maintenance, helicopter support, herbicide application, trailhead maintenance, grubbing.	Non-motorized Y053:AC558	3.1mi.	1,968
<b>Iliau Nature Loop:</b> Brushing, tree-rock removal, water diversion-sign maintenance, trail shelter repair.	Non-motorized Y053:AC558	0.3 mi.	1,968
<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.	1,968
<b>Kohua Ridge Trail:</b> Brushing, tree-rock removal, water diversion, sign maintenance.	Non-motorized Y053:AC558	2.5 mi.	1,968
<b>Mohihi-Waiialae Trail:</b> Brushing, tree-rock removal, water diversion-sign maintenance, herbicide application.	Non-motorized Y053:AC558	2.5 mi.	1,968
<b>Nounou East Trail:</b> Brushing, tree-rock removal, water diversion, sign-fence maintenance.	Non-motorized Y053:AC558	2.0 mi.	1,972
<b>Nounou West Trail:</b> Brushing, tree-rock removal, water diversion, sign-gate-fence maintenance, grubbing.	Non-motorized Y053:AC558	2.0 mi.	1,972
<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	2.1mi.	20,000
<b>Okolehau Trail:</b> Brushing, tree-rock removal, sign maintenance, herbicide application, water diversion, grubbing.	Non-motorized Y053:AC558	2.3 mi.	1,968
<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.	20,000
<b>Poomau Canyon Vista Trail:</b> Brushing, tree-rock removal, water diversion, sign maintenance.	Non-motorized Y053:AC558	0.5 mi	1,968
	<b>Total Non-motorized Y053:AC558 Totals</b>	<b>26.4 mi.</b>	<b>77,720</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.	4,600
<b>Kuamoo Trail:</b> Grubbing, brushing, tree-rock removal, water diversion, sign maintenance, herbicide application	Diversified-nonmotorized Y054:AC586	2.0 mi.	4,600
<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.	44,600
<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.	4,600
<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	4,600



<b>Kauai Trail and Access Road Project Description</b>	<b>FMIS Code/State Code</b>	<b>Distance</b>	<b>Budget \$\$</b>
<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.	4,600
<b>Puuki-Waialae Trail:</b> Grading, brushing, tree removal, water diversion, hardscaping, sign maintenance, herbicide application.	Diversified-nonmotorized Y054:AC586	11.0 mi.	4,600
<b>Waimea Canyon Trail:</b> Brushing, tree-rock removal, sign maintenance.	Diversified-nonmotorized Y054:AC586	2.5 mi.	4,600
	<b>Diversified-nonmotorized Y054:AC586</b>	<b>29.4 mi.</b>	<b>76,800</b>
<b>Contour Road:</b> Grading, brushing, tree removal, water diversion maintenance, landscaping, sign maintenance, herbicide application, gate maintenance.	Diversified-motor/nonmotor Y055:AC559	6.3 mi.	2,125
<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.	2,125
<b>Kaaweki Ridge Access Road:</b> Grading, brushing, tree removal, water diversion maintenance, landscaping, sign maintenance, herbicide application, gate maintenance.	Diversified-motor/nonmotor Y055:AC559	4.3 mi.	2,125
<b>Kauhao Ridge Access Road:</b> Grading, brushing, water diversion-sign maintenance, herbicide application, gate maintenance.	Diversified-motor/nonmotor Y055:AC559	5.0 mi.	2,125
<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.	2,125
<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.	2,025
<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.	2,025
<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.	2,025
<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.	2,025
<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.	2,026
<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.	2,026
<b>Powerline Trail:</b> Monitor, maintenance, clearing of trees, brush, and grubbing.	Diversified-motor/nonmotor Y055:AC559	11.2 mi.	2,025
<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.	2,025



Kauai Trail and Access Road Project Description	FMIS Code/State Code	Distance	Budget \$\$
	Diversified-motor/nonmotor Y055:AC559	90.6 mi	26,827
	Total Diversified Y054/55/57: AC586/559/557 Totals	120.0 mi.	103,627
DOFAW working with Kauai County for a County OHV: <i>(\$67,720 from Kauai motorized YO56 to Oahu YO56 motorized; Kauai balance is \$10,000 for motorized)</i>	Total Motorized Y056:AC587 Totals		77,720 (-67,720) <b>(10,000)</b>

**Hawaii Recreational Trails Program NRT1 (18) FY2016 Projected Trail-Road Budget**  
**Congressional District 2 - HAWAII BRANCH PROJECTS**  
**Hawaii Trail and Access Road Project Description**

Hawaii Trail and Access Road Project Description	FMIS Code/State Code	Distance	Budget \$\$
<b>Ainapo Trail:</b> Brushing, tree branch removal, sign installation and maintenance, helicopter support, rebuild ahus.	Non-motorized Y053:AC558	10.2 mi.	30,000
<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.	4,045
<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.	4,046
<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.	4,046
<b>Kaumana Trail:</b> Brushing, tree branch removal, sign installation and maintenance, rebuild ahus.	Non-motorized Y053:AC558	3.0 mi.	4,046
<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.	4,045
<b>Onomea Trails:</b> Grading, re-construction, brushing, water diversion, sign installation and maintenance	Non-motorized Y053:AC558	1.2 mi.	4,045
<b>Puakea Bay Trail:</b> Brushing, re-construction, water diversion, sign installation, helicopter support.	Non-motorized Y053:AC558	0.5 mi.	0
<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.	30,000
<b>Puu Huluhulu Trail:</b> Grading, re-construction, brushing, water diversion, sign installation and maintenance.	Non-motorized Y053:AC558	0.6 mi.	4,045
	<b>Non-Motorized Y053:AC558 Totals</b>	<b>30.8 mi.</b>	<b>88,318</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.	2,127
<b>Muliwai Trail:</b> Grading, re-construction, brushing, water diversion, sign installation and maintenance, herbicide, helicopter support.	Diversified nonmotorized Y054:AC586	18.0 mi.	70,000



Hawaii Trail and Access Road Project Description	FMIS Code/State Code	Distance	Budget \$\$
<b>Pololu Trail:</b> Grading, re-construction, brushing, water diversion, sign installation and maintenance, herbicide.	Diversified nonmotorized Y054:AC586	1.0 mi.	7,127
<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.	2,126
<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.	20,000
	<b>Diversified nonmotorized Y054:AC586</b>	<b>92.9 mi.</b>	<b>101,380</b>
<b>Ainapo Access Road</b> Grading, water diversion, sign installation and maintenance.	Diversified nonmotorized motorized Y055:AC559	16.0 mi.	2,126
<b>Mauna Kea Access Road:</b> Grading, water diversion, sign installation and maintenance.	Diversified nonmotorized motorized Y055:AC559	32.0 mi.	2,126
<b>Mauna Loa Observatory Access Road:</b> Grading, water diversion, brushing, sign installation and maintenance	Diversified nonmotorized motorized Y055:AC559	35.0 mi.	2,126
<b>Puu Laau Access Road:</b> Grading, water diversion, sign installation and maintenance.	Diversified nonmotorized motorized Y055:AC559	8.4 mi.	10,000
	<b>Diversified nonmotorized motorized Y055:AC559</b>	<b>91.4</b>	<b>16,378</b>
	<b>Total Diversified YO54/55: AC586/559 Totals</b>	<b>184.3 mi.</b>	<b>117,758</b>
<b>Mauna Kea ATV Dirt Bike Riding Area:</b> Bulldozing, brushing, tree removal, water diversion, sign installation & maintenance, rubbish disposal. (\$26,225 from Maui motor)	Motorized Y056:AC587	56 miles	44,159 (26,225)
<b>Upper Waiakea ATV/Dirtbike Park:</b> Bulldozing, brushing, tree removal, water diversion, hardscaping, sign installation & maintenance, reconstruction & re-route, rubbish disposal. (\$26,224 from Maui Motor)	Motorized Y056:AC587	2,000 acres 56 mi.	44,159 (26,224)
(Add \$52,449 from Maui Motor)	<b>Motorized YO56:AC587</b>	<b>112 mi. 2,000 ac.</b>	<b>88,318 (52,449)</b>
	<b>(Hawaii Totals)</b>		
	<b>Nonmotorized YO53:AC558</b>	<b>30.8 mi.</b>	<b>88,318</b>
	<b>Diversified YO54/55:AC586/559 Totals</b>	<b>184.3 mi.</b>	<b>117,758</b>
<b>Add \$52,449 from Maui motor to HI motor = \$140,767</b>	<b>Motorized YO56:AC587 Totals</b>	<b>112 mi. 2,000 ac.</b>	<b>140,767 (+88,318) (+52,449)</b>



Hawaii Trail and Access Road Project Description	FMIS Code/State Code	Distance	Budget \$\$
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## Hawaii Recreational Trails Program NRT1 (18) FY2016 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 operations and step installation.	Non-motorized Y053:AC558	2.3 mi.	0
<b>Honolulu-Mauka (17 Trails System):</b> Grading, brushing, tree removal, water diversion, hardscaping, boardwalk maintenance and installation, sign maintenance, herbicide application.	Non-motorized Y053:AC558	15.5 mi.	1,595
<b>Manoa Falls Trail (High Use):</b> Grading, brushing, tree removal, water diversion, hardscaping, boardwalk maintenance, sign maintenance, herbicide application, rockwork, step rebuilding, kiosk and interpretive sign, and trailhead infrastructure development (information and safety displays).	Non-motorized Y053:AC558	0.8 mi.	70,000
<b>Maunawili Ditch Trails–Waimanalo Road:</b> Grading, brushing, tree removal, water diversion, sign maintenance, herbicide application, helicopter support.	Non-motorized Y053:AC558	12.75 mi.	1,596
<b>Maunawili Falls Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance, herbicide application, helicopter support, trail hardscaping, planning.	Non-motorized Y053:AC558	1.25 mi.	10,000
	<b>Non-motorized Y053:AC558 Totals</b>	<b>32.6 mi.</b>	<b>83,191</b>
<b>Hawaiiloa Ridge Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support, step installation.	Diversified-nonmotorized Y054:AC586	3.5 mi.	7,307
<b>Kamananui Valley Road:</b> Grading, brushing, tree removal, hardscaping, water diversion, sign maintenance, herbicide.	Diversified-nonmotorized Y054:AC586	4.0 mi.	7,304
<b>Kuliouou Valley and Ridge Trails:</b> Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support, step installation.	Diversified-nonmotorized Y054:AC586	3.0 mi.	7,304
<b>Manana Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance, herbicide application helicopter support.	Diversified-nonmotorized Y054:AC586	6.0 mi.	7,304
<b>Sand Island Bike Park:</b> Design, permits, fencing, parking construction, water connection, grading and trail construction, planting.	Diversified-nonmotorized Y054:AC586	30 acres	10,000
<b>Waimano Trails:</b> Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support, herbicide.	Diversified-nonmotorized Y054:AC586	7.2 mi.	7,304
<b>Wiliwilinui Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support, step installation, herbicide.	Diversified-nonmotorized Y054:AC586	3.0 mi.	7,304
	<b>Diversified-nonmotorized Y054:AC586</b>	<b>26.7 mi. 30 acres</b>	<b>53,827</b>



Oahu Trail and Access Road Project Description	FMIS Code/State Code	Distance	Budget \$\$
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**Hawaii Recreational Trails Program NRT1 (18) FY2016 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>Poamoho Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support, herbicide.	Non-motorized Y053:AC558	3.0 mi.	1,595
<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
	<b>Non-motorized Y053:AC558 s</b>	<b>6.5 mi</b>	<b>1,595</b>
	<b>Non-motorized Y053:AC558 Totals</b>	<b>39.1 mi</b>	<b>84,786</b>
<b>Haula Ridge-Maakua Ridge-Papali Trail System:</b> Grading, brushing, tree removal, water diversion, sign maintenance, helicopter support.	Diversified-nonmotorized Y054:AC586	5.0 mi.	7,304
<b>Kaunala Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance.	Diversified-nonmotorized Y054:AC586	2.5 mi.	7,304
<b>Kealia Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance, herbicide.	Diversified-nomotorized Y054:AC586	2.3 mi.	7,304
<b>Kuaokala Trail:</b> Grading, brushing, tree removal, water diversion, sign maintenance, herbicide.	Diversified-nonmotorized Y054:AC586	2.5 mi.	7,308
	<b>Diversified-nonmotorized Y054:AC586</b>	<b>12.3 mi.</b>	<b>29,220</b>
<b>Kealia Access Road:</b> Grading, brushing, tree removal, water diversion, sign maintenance, herbicide.	Diversified-nonmotorized motorized Y055:AC559	1.5 mi.	10,000
<b>Kuaokala &amp; Mokuleia Firebreak Roads:</b> Grading, brushing, tree removal, water diversion, sign maintenance, herbicide.	Diversified-nonmotorized motorized Y055:AC559	10.8 mi.	10,000
<b>Poamoho Hele Loa Access Road:</b> Grading, brushing, tree removal, hardscaping, water diversion, sign maintenance, herbicide.	Diversified-nonmotorized motorized Y055:AC559	2.5 mi.	10,000
	<b>Diversified-nonmotorized motorized Y055:AC559</b>	<b>13.3 mi.</b>	<b>30,000</b>
	<b>Diversified Y054/55:AC586/</b>	<b>25.6 mi</b>	<b>SUM: 113,047</b>



Oahu Trail and Access Road Project Description	FMIS Code/State Code	Distance	Budget \$\$
	559Total		
<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, sanitation, fuel, signage, pavilion maintenance. Congressional District 2 motorized Totals:(See Below Motorized)	<b>Motorized Y056:AC587 CD-2 Total</b>	500 acres 30.5 mi.	= <b>152,506</b> (84,786) (67,720)
	<b>(Oahu Totals)</b>		
	<b>Non-motorized Y053:AC558 Totals</b>	<b>39.1 mi.</b>	<b>84,786</b>
	<b>Diversified Y054/55/57: AC586/559/557 Totals</b>	<b>52.3 mi. 30 acres</b>	<b>113,047</b>
<i>(Add \$67,720 from Kauai motorized YO56 to Oahu motorized YO56)</i>	<b>Motorized Y056:AC587 Totals</b>	<b>530 acres 30.5 mi</b>	= <b>152,506</b> +(84,786) +(67,720)

**Hawaii Recreational Trails Program NRT1 (18) FY2016 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.	10,000
<b>Hoapili Trail:</b> Brushing, tree removal, sign installation and maintenance.	Non-motorized Y053:AC558	5.5 mi.	0
<b>Ke Ala Loa O Maui:</b> Brushing, tree removal, sign installation and maintenance.	Non-motorized Y053:AC558	3.0 mi.	10,000
<b>Keanae Arboretum:</b> Brushing, herbicide application, tree removal, sign maintenance.	Non-motorized Y053:AC558	0.6 mi.	1,824
<b>Lahaina Pali Trail:</b> Grading, water diversion, sign installation, herbicide and weeding.	Non-motorized Y053:AC558	5.5 mi.	1,824
<b>Mokuleia Stairs Beach Access:</b> Brushing, water diversion, install boardwalk, sign installation and maintenance.	Non-motorized Y053:AC558	250 ft.	1,824
<b>Ohai Loop Trail:</b> Brushing, grading, water diversion, sign installation and maintenance.	Non-motorized Y053:AC558	1.2 mi.	1,829
<b>Plum Trail:</b> Grading, brushing, water diversion, tree removal, sign installation and maintenance.	Non-motorized Y053:AC558	1.7 mi.	15,000
<b>Polipoli Trail:</b> Grading, brushing, water diversion, sign installation and maintenance.	Non-motorized Y053:AC558	0.6 mi.	15,000
<b>Tie Trail:</b> Grading, Brushing, water diversion, tree removal, sign maintenance.	Non-motorized Y053:AC558	0.5 mi.	15,000
<b>Waihee Ridge Trail:</b> Grading, brushing, water diversion, boardwalk installation, herbicide application, sign maintenance.	Non-motorized Y053:AC558	2.5 mi.	15,000



<b>Maui Trail and Access Road Project Description</b>	<b>FMIS Code/State Code</b>	<b>Distance</b>	<b>Budget \$\$</b>
<b>Waihou Spring Trail:</b> Grading, Brushing, water diversion, tree removal, sign maintenance.	Non-motorized Y053:AC558	1.0 mi.	10,000
<b>Waikamoi Ridge Trail:</b> Brushing, hardscaping, boardwalk installation, tree removal, herbicide application, sign maintenance.	Non-motorized Y053:AC558	0.8 mi.	1,824
<b>Waiohuli Lower Trail:</b> Grading, Brushing, water diversion, tree removal, sign maintenance.	Non-motorized Y053:AC558	1.4 mi.	1,824
	<b>Non-motorized Y053:AC558 Total</b>	<b>25.9 mi.</b>	<b>100,949</b>
<b>Boundary Trail:</b> Grading, brushing, water diversion, tree removal herbicide, sign maintenance.	Diversified- nonmotorized Y054:AC586	4.4 mi.	5,419
<b>Kahakapao Loop Trail and Recreation Area:</b> Brushing, sign installation and maintenance, water diversion, grading, tree removal,.	Diversified- nonmotorized Y054:AC586	5.7 mi.	50,000
<b>Mamane Trail:</b> Grading, Brushing, water diversion, tree removal, sign maintenance.	Diversified- nonmotorized Y054:AC586	1.8 mi.	5,419
<b>Redwood Trail:</b> Grading, brushing, water diversion, tree removal, sign maintenance.	Diversified- nonmotorized Y054:AC586	1.7 mi.	5,419
<b>Skyline Trail:</b> Brushing, tree removal, sign maintenance.	Diversified- nonmotorized Y054:AC586	6.8 mi.	0
<b>Waiakoa Loop Trail:</b> : Grading, Brushing, water diversion, tree removal, sign maintenance.	Diversified- nonmotorized Y054:AC586	3.0 mi.	10,000
<b>Waiakoa Upper Trail:</b> Grading, Brushing, water diversion, tree removal, sign maintenance.	Diversified- nonmotorized Y054:AC586	7.0 mi.	5,423
<b>Waiohuli Upper Trail:</b> Grading, Brushing, water diversion, tree removal, sign maintenance.	Diversified nonmotorized Y054:AC586	4.0 mi.	5,419
	<b>Diversified nonmotorized Y054:AC586</b>	<b>34.4 mi.</b>	<b>87,099</b>
<b>Waipoli Access Road:</b> Grading, brushing, water diversion, sign maintenance.	<b>Diversified motorized/ nonmotorized Y055:AC559</b>	<b>8.1 mi.</b>	<b>40,000</b>
	<b>Diversified Y054/55/57: AC586/557/559 Total</b>	<b>39.5 mi. 17 acres</b>	<b>Sum: 127,099</b>



<b>Maui Trail and Access Road Project Description</b>	<b>FMIS Code/State Code</b>	<b>Distance</b>	<b>Budget \$\$</b>
<b>Maui Moto X Track:</b> maintenance of facility, track improvements, install new starting gate, haul materials and repair equipment. <b>Transfer \$52,449 YO56 from Maui to Hawaii YO56 motorized</b>	<b>Motorized Total YO56:AC587</b>	<b>17 acres</b>	102,449 (-52,449) <b>50,000</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	500
	<b>Non-motorized YO53:AC558 Total</b>	<b>2.1 mi.</b>	500
<b>Kahanui Access Roads:</b> Brushing, tree removal, water diversion, sign maintenance.	Diversified-motor/nonmotor Y055:AC559	3.3 mi.	0
<b>Maunahui-Makakupaia Access Road:</b> Grading, brushing, water diversion, tree removal, sign maintenance.	Diversified-motor/nonmotor Y055:AC559	9.8 mi	5,000
	<b>Diversified YO55:AC559 Total</b>	<b>13.1 mi.</b>	<b>5,000</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.	500
<b>Kanepuu Dryland Forest Trail:</b> Grading, brushing, tree removal, sign maintenance.	Non-motorized Y053:AC558	0.5 mi.	500
	<b>Non-motorized YO53:AC558 Total</b>	<b>2.5 mi.</b>	<b>1,000</b>
<b>#3 Access Road:</b> Grading	Diversified-motor/nonmotor Y055:AC559	1.06 mi.	250
<b>#5 Access Road:</b> Grading	Diversified-motor/nonmotor Y055:AC559	1.78 mi.	250
<b>#7 Access Road:</b> Grading	Diversified-motor/nonmotor Y055:AC559	1.6 mi.	250
<b>#57 Access Road:</b> Grading	Diversified-motor/nonmotor Y055:AC559	3.42 mi.	250
<b>Awalua Access Road:</b> Grading	Diversified-motor/nonmotor Y055:AC559	3.66 mi.	250
<b>Federation Camp Access Road:</b> Grading	Diversified-motor/nonmotor Y055:AC559	1.24 mi.	250
<b>Guard Access Road:</b> Grading	Diversified-motor/nonmotor Y055:AC559	38.2 mi.	250
<b>Honopu Access Road:</b> Grading	Diversified-	3.22 mi.	250



<b>Maui Trail and Access Road Project Description</b>	<b>FMIS Code/State Code</b>	<b>Distance</b>	<b>Budget \$\$</b>
	motor/nonmotor Y055:AC559		
<b>Kaena Access Road: Grading</b>	Diversified- motor/nonmotor Y055:AC559	3.75 mi.	250
<b>Kahua Access Road: Grading</b>	Diversified- motor/nonmotor Y055:AC559	5.41 mi.	250
<b>Kahue Access Road: Grading</b>	Diversified- motor/nonmotor Y055:AC 559	4.15 mi.	250
<b>Keone Access Road: Grading</b>	Diversified- motor/nonmotor Y055:AC559	1.74 mi.	250
<b>Kuamoo Access Road: Grading</b>	Diversified- motor/nonmotor Y055:AC559	.94 mi.	250
<b>Lapaiki Access Road: Grading</b>	Diversified- motor/nonmotor Y055:AC559	3.8 mi.	250
<b>Mahana Access Road: Grading</b>	Diversified- motor/nonmotor Y055:AC559	1.52 mi.	250
<b>Nanahoa Access Road: Grading</b>	Diversified- motor/nonmotor Y055:AC559	1.05 mi.	250
<b>Naupaka Access Road: Grading</b>	Diversified- motor/nonmotor Y055:AC559	.97 mi.	250
<b>Paliamono Access Road: Grading</b>	Diversified- motor/nonmotor Y055:AC559	.41 mi.	250
<b>Lanai Trail and Access Road Project Description:</b>	<b>Diversified motor/nonmotor Y055:AC559</b>	<b>77.92 mi.</b>	<b>4,500</b>
	<b>(Maui Totals)</b>		
	<b>Non-motorized Y053:AC558 Totals</b>	<b>34.5 mi.</b>	<b>102,449</b>
	<b>Diversified Y054/55/57: AC586/559/557 Totals</b>	<b>130.52 mi. 687 acres</b>	<b>136,599</b>
<i>(\$52,449) to HI District = \$50,000 for Maui motorized)</i>	<b>Motorized Y056:AC587 Totals</b>		102,449 - 52,449 <b>=(50,000)</b>