

**DEPARTMENT OF TRANSPORTATION
HAWAII STATE TRANSPORTATION PLAN**

Mission: To facilitate the safe, economic, efficient, and convenient movement of people and goods.

HSTP CODE	DESCRIPTION OF GOALS	HSTP CODE	DESCRIPTION OF OBJECTIVES
MOBILITY AND ACCESSIBILITY			
G1	Goal 1: Achieve an integrated multi-modal transportation system that provides mobility and accessibility for people and goods.	G101	Objective 1: To preserve, maintain, and improve the transportation system infrastructure and facilities. A. Improve connectivity of the transportation system. B. Increase capacity. C. Pursue the maintenance and rehabilitation of the transportation system. D. Ensure provision of essential operations and facilities.
		G102	Objective 2: To increase the efficiency of the transportation system operations. A. Enhance intermodal connectivity. B. Employ strategies to reduce transportation demand. C. Enhance performance of the transportation system.
		G104	Objective 4: To reduce congestion and delay. A. Increase capacity. B. Employ strategies to reduce transportation demand.
SAFETY AND SECURITY			
G2	Goal 2: Ensure the safety and security of transportation systems.	G201	Objective 1: To enhance the safety of the transportation system. A. Promote safe facilities and infrastructure. B. Promote the safe use of the transportation systems.
		G202	Objective 2: To ensure the secure operation and use of the transportation system. A. Employ various safety and security measures as required. B. Utilize law enforcement at problem locations.
ENVIRONMENT AND QUALITY OF LIFE			
G3	Goal 3: Protect and enhance the environment and improve the quality of life.	G301	Objective 1: To provide a transportation system, that is environmentally compatible and sensitive to cultural and natural resources. A. Provide facilities and infrastructure that are environmentally friendly. B. Manage and operate the transportation system in an environmentally responsible manner. C. Support environmentally responsible programs and activities.
		G302	Objective 2: To ensure that the transportation system supports comprehensive land use policies and livability in urban and rural areas. A. Provide a transporation system that supports and enhances quality of life. B. Encourage the use of non-motorized transportation modes. C. Minimize disruption of existing neighborhoods due to transportation.
ECONOMIC DEVELOPMENT			
G4	Goal 4: Support Hawaii's economic vitality.	G401	Objective 1: To provide and operate a transportation system to accommodate existing and emerging economic developments and opportunities. A. Provide a direct, convenient, and physically suitable system for goods movement to transportation facilites and commercial and industrial areas. B. To promote efficient and cost effective operations of the transportation system.
		G402	Objective 2: To provide a transportation system that balances the need for economic development with quality of life issues. A. Make transportation investments that reflect each islands scale and foster the quality of life of the people who live there. B. Target transportation investments in coordination with community involvement.
INTEGRATED STATEWIDE PLANNING, PROGRAMMING, AND DECISION-MAKING			
G5	Goal 5: Achieve a Statewide Planning Process that is comprehensive, cooperative, and continuing.	G501	Objective 1: To improve coordination and cooperation between all levels of government, the private sector, and the general public. A. Supports and conducts the Statewide Transportation Planning Process. B. Improve communication between all levels of government, the private sector, and the general public. C. Integrate approved policies, programs, and plans from all levels of government.
		G502	Objective 2: To involve the public and stakeholders to the fullest practicable extent in the planning and implementation of the transportation system. A. Develop programs to ensure opportunity for public and stakeholders' involvement. B. Ensure responsiveness to public concerns.
		G503	Objective 3: To develop and maintain a transportation financial structure that provides adequate and dependable resources. A. Optimize all possible financial resources. B. Develop an ongoing comprehensive financial program.

Click here to access the Proposed FFY 15-18(+2) STIP Revision #11 document: <https://hidot.hawaii.gov/highways/files/2017/06/20170628-15-18-R11-DRAFT.pdf>

SYSTEM PRESERVATION PROJECTS		Project Description	Bridge Assessment and Replacement Programs Yes: Project identified through DOT's Bridge Replacement Program, Honolulu's Bridge Inspection & Appraisal process or other bridge programming system No: Project did not result from DOT's Bridge Replacement Program, Honolulu's Bridge Inspection & Appraisal process or other bridge programming system	Pavement Management Programs Yes: Project identified through DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system No: Project did not result from DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system	Cost Participation High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)	Project Stage High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun	Gap Closure? Does this project close a gap or connect missing links in a route?	Mandated? Required by federal, state, or municipal laws, regulations or codes?	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #11
	STATEWIDE - FHWA											
S2.	Bridge Inspection and Appraisal	Inventory, inspect and appraise state bridges. Includes underwater inspection, scour analyses, surveys and preparation of plans for bridge repairs, retrofits and replacements.	N	N	L	H	N	Y	Y	N	G101-2, G201-2	Increase cost from \$3.5M in FFY 2018 to \$13.5M to include Bridge Load Rating Federal requirements.

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SYSTEM PRESERVATION PROJECTS		Project Description	Bridge Replacement Program (State)	Bridge Inspection & Appraisal (City)	Pavement Management System (State)	Roadway Pavement Condition Survey (City)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses MAP-21 Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency	HSTP Goals and Objectives Code	2015-2018 STIP Revision #11 (TIP Revision #17)
OAHU : STATE - FHWA																		
OS33.	Kamehameha Highway (Route 99), Bridge Replacement, Upper Poamoho Stream Bridge	Replace the existing multi-girder reinforced bridge on Kamehameha Highway in the vicinity of Wahiawa.	H	N/A	N/A	N/A	M	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-2, G201-2, G301-2, G401	Defer \$110K of PREROW in FFY 2018 and \$1.148M of ROW in FFY 2018 to the out years of the 4-year STIP. A reassessment of the bridge determined that it is structurally sound. This project will be reprioritized for the future. (C.2.)
OS34.	Kamehameha Highway (Route 83), Bridge Replacement, Waiahole Stream Bridge	Replace the existing concrete structure.	H	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-2, G201-2, G301-2, G401	Defer ROW from \$573K in FFY 2018 to \$585K in FFY 2019 since a consultant has not been procured yet and is anticipated to be May 2017. (C.2.)
OS45.	Moanalua Freeway (Route H-201), Highway Lighting Improvements, Halawa Heights Off-Ramp to the Middle Street Overpass (MP 1.12 to MP 4.09)	Upgrade/replace existing freeway lighting on Moanalua Freeway, from the Halawa Heights westbound off-ramp (milepost 1.12) to the Moanalua/H-1 Freeway merge at Middle Street (milepost 4.09).	L	N/A	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-3, G201-2, G301, G401	Increase CON estimate in FFY 2017 from \$6.242M to \$12.2M and redistribute ADVCON in FFY 2018 from \$2.5M to \$4.26M and in FFY 2019 from \$2.5M to \$5.5M. Increased due to under-estimation of required work. Additional structural and demolition work needed. Limited work area and traffic control contributed to the increase. (C.8.)
OS47.	Moanalua Freeway (Route H-201), Seismic Retrofit, Puuloa Interchange, Ramp "A"	Retrofit interchange structure to meet current seismic standards.	H	N/A	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-2, G201-2, G301	Delete project (\$10.822M for CON in FFY 2018 and \$8.37M for ADVCON in FFY 2019) due to excessive Preliminary Engineering (PE) delays. PE monies have been deobligated. This project will be reprioritized for later re-programming. (C.2.)

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SAFETY PROJECTS		Project Description	Strategic Highway Safety Plan	Highway Safety Improvement Program	Rockfall Protection Study (State)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses MAP-21 Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency	HSTP Goals and Objectives Code	2015-2018 STIP Revision #11 (TIP Revision #17)
	OAHU : STATE - FHWA																
OS37.	Kamehameha Highway, Rockfall Protection at Waimea Bay, MP 5.4 to MP 5.52, Phase 1: Haleiwa, Phase 2: Sunset Beach	Initiate rockfall mitigation measures along Kamehameha Highway at Waimea Bay (milepost 5.4 to milepost 5.52).	L	L	H	L	M	N	N	N	N/A	Y	Y	Y	Proj.501	G101-3, G201-2, G301, G401	Defer all phases to the out years of the STIP -- \$490K of ROW in FFY 2017; \$10.08M of Phase 1 CON in FFY 2018; \$8.064M of Phase 1 ADVCON in FFY 2019; and \$8M of Phase 2 CON in FFY 2020. A new feasibility study will assess the constructability of alternatives. This project will be reprioritized in the next 4-year STIP. (C.2.)

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TRANSIT PROJECTS		Project Description	Maintains Existing System	Completes Multi-Phase Project	Enhances Hub-and Spoke System	Enhances Safety and Security	New Transit Service	Local Match In Year 1 Budget	Local Match Probable In Years 2,3 or 4 Budget	Oahu Regional ITS Architecture Consistency	Addresses MAP-21 Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency	HSTP Goals and Objectives Code	2015-2018 STIP Revision #11 (TIP Revision #17)
OAHU : STATE - FTA																
OS68.	HDOT State Safety Oversight Program	This funding will provide operational resources for the HDOT State Safety Oversight Program administered by the HDOT Rail Transit Safety Office and will Implement 49 CFR Part 674 State Safety Oversight Final Rule.	N/A	N/A	N/A	Y	N/A	Y	Y	N/A	Y	Y	Y	Proj. 852	G101-3, G201-2, G301-2, G401	New project. (C.1.)
CITY & COUNTY OF HONOLULU - FTA																
OC13.	Bus and Handi-Van Acquisition Program	Purchase replacement transit buses and handi-van vehicles.	Y	N/A	N/A	Y	N	Y	Y	N/A	Y	Y	Y	Proj. 603	G101-4, G201-2, G301-2, G401, G501	Request to add 60 <30' buses from previously 10 in FFY 2017 (C.4)

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	HAWAII : STATE - FHWA											
HS12.	Hilo Bayfront Highway (Route 19), Shoreline Protection	Construct groin fields in phases along Hilo Bayfront.	N	N	L	M	N	N	Y	N	G101-2, G201-2, G301	Delete \$100K of ROW in FFY 2017 since it is not needed.

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SAFETY PROJECTS		Project Description	Highway Safety Improvement Program Yes: Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program No: Project did not result from DOT's Highway Safety Improvement Program or County Safety Improvement Program Rockfall Protection Study Yes: Project identified through DOT's Rockfall Protection Study No: Project did not result from DOT's Rockfall Protection Study Cost Participation High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry) Project Stage High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun Gap Closure? Does this project close a gap or connect missing links in a route? Mandated? Required by federal, state, or municipal laws, regulations or codes? Addresses at least one MAP-21 Planning Factor? Listed in Regional Transportation Plans HSTP Goals and Objectives Code 2015-2018 STIP Revision #11									
Projects that mitigate high accident and hazardous sites, such as: - guardrail and shoulder improvement projects - rockfall and slope stabilization projects - street light pole replacement projects - emergency telephone projects - Intelligent Transportation System (ITS)												
	HAWAII : STATE - FHWA											
HS6.	Hawaii Belt Road (Route 19), Guardrail and Shoulder Improvements, Kaumoali Bridge to Waipunahina Bridge East Paauilo Bridge and Vicinity of Kalopa Bridge	Improve guardrail and shoulders along Hawaii Belt Road from Kaumoali Bridge towards Waipunahina Bridge.	N	N	L	M	N	N	Y	N	G101-3, G201-2, G301, G401	Combine this project with HS9 and add Kalopa Bridge scope (change limits from "Kaumoali Bridge to Waipunahina Bridge" to "Kaumoali Bridge to East Paauilo Bridge and Vicinity of Kalopa Bridge". The current estimate already reflects these changes.
HS9.	Hawaii Belt Road (Route 19), Guardrail and Shoulder Improvements, Waipunahina Bridge to East Paauilo Bridge	Improve guardrail and shoulders from Waipunahina Bridge to E. Paauilo Bridge.	N	N	L	L	N	N	Y	N	G101-3, G201-2, G301, G401	Delete this project since it was not obligated in FFY 2016 and will be combined with HS6.
HS10.	Hawaii Belt Road (Route 19), Rockfall Protection at Various Sections, Phase I (Laupahoehoe Gulch)	Slope protection along Route 19, Hawaii Belt Road, in the vicinity of Laupahoehoe Gulch.	N	Y	L	M	N	N	Y	N	G101-3, G201-2, G301, G401	Increase CON cost estimate in FFY 2018 from \$38.7M to \$56.7M since the mesh rockfall coverage has increased from two-thirds of the slope to the entire slope. This will reduce maintenance costs. ADVCON in FFY 2019 increased from \$13M to \$20M and in FFY 2020 increased from \$17.96M to \$25.36M.

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	MAUI : STATE - FHWA											
MS5.	Honoapiilani Highway (Route 30), Bridge Replacement, Honolua Bridge	Replacement of a concrete T-beam bridge on Honoapiilani Hwy in the vicinity of Honolua Bay.	Y	N	L	M	N	N	Y	N	G101-2, G201-2, G301-2, G401	Defer and inflate ROW from \$100K in FFY 2018 to \$104K in FFY 2020 and CON from \$5.6M in FFY 2018 to \$5.825M in FFY 2020 since the Section 106 for NEPA clearance is still needed.

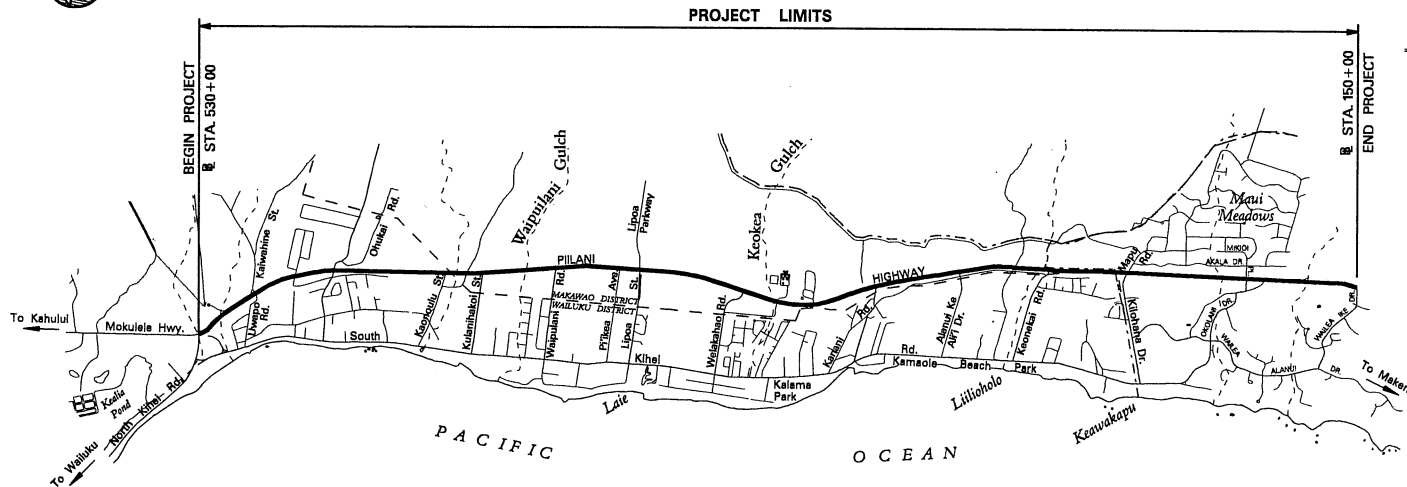
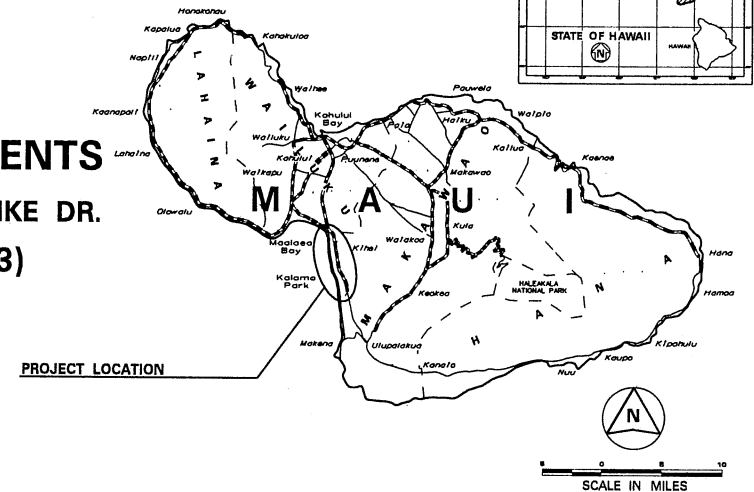
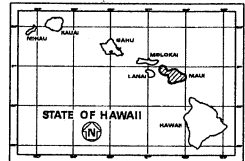
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	MAUI : STATE - FHWA											
MS20.	Piilani Highway Safety Improvements, N. Kihei Rd to the Vicinity of Alanui Ke Alii Dr. Wailea Ike Dr., MP 3.7 to MP 8.5 7.15	Scope includes, but is not limited to: Installation of milled rumble strips on centerline and shoulders; shoulder widening where possible; traffic signal interconnectivity if possible; installation of backplates with retroreflective borders for all traffic signal heads; extend right turn acceleration lane from Welakahao Rd; install rumble strips in turning lanes; pavement markings; & signing.	Y	N	L	L	N	N	Y	N	G101-3, G201-2, G301, G401	Extend project limits from "N. Kihei Rd to the Vicinity of Alanui Ke Alii Dr., MP 3.7 to MP 8.5" to "N. Kihei Rd to the Vicinity of Wailea Ike Dr., MP 0.0 to MP 7.15". Increase CON cost estimate in FFY 2018 from \$810K to \$1.2M.

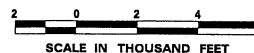
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COUNTY OF KAUAI - FHWA												
KC16.	Improvements to Maluhia Rd. (RTE 520) and Kōloa Rd. (RTE 530)	Part of an ongoing roadway and street maintenance program. Work proposed for this phase will involve rehabilitation and resurfacing of the pavement of Maluhia Road and Koloa Road, which exhibit cracked and delaminated pavement as well as base failure. The work also includes shoulder widening these roads, to better serve all users and provide support for the pavement. The work also includes drainage improvements in areas that exhibit erosion and inadequate drainage.	N	Y	L	L	N	N	Y	N	G101-2, G201-2, G301, G401	New project with PE (\$500K total in FFY 2017) being used as soft match and \$4.5M for CON in FFY 2018.
KC17	Improvements to Various Collector Roads Kukui St. (RTE 581), Olohena Rd. (RTE 581), Ulu St. (RTE 5805), Haleilio Rd. (RTE 5840), Kawaihau Rd. (RTE 5860), Kaapuni Rd. (RTE 5860)	Part of an ongoing roadway and street maintenance program. Work proposed for this phase will involve rehabilitation and resurfacing of the pavement of the project roads, which exhibit cracked and delaminated pavement as well as base failure The work also includes shoulder widening on some project roads (Olohena Rd. and Kaapuni Rd.) where feasible, to better serve all users and provide support for the pavement. The work also includes drainage improvements in areas that exhibit erosion and inadequate drainage.	N	Y	L	L	N	N	Y	N	G101-2, G201-2, G301, G401	New project with PE (\$500K total in FFY 2018) being used as soft match and \$4.5M for CON in FFY 2019.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-031-1(013)	2017	1	0

FEDERAL AID PROJECTS PREVIOUSLY CONSTRUCTED
OR UNDER CONSTRUCTION

MILE POST 0.00 TO MILE POST 7.10

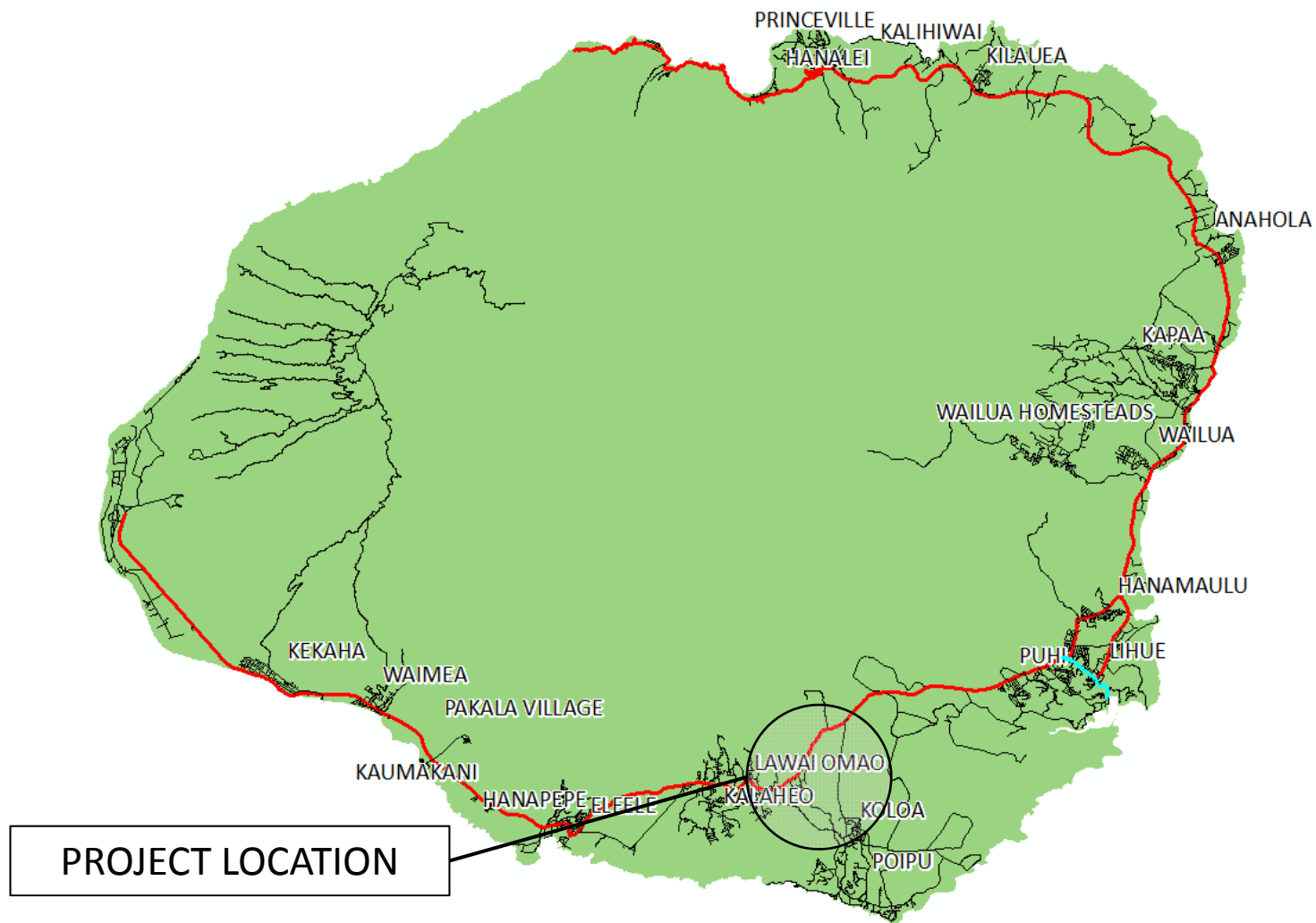


LAYOUT PLAN

GROSS LENGTH OF PROJECT.....7.1± MILES
NET LENGTH OF PROJECT.....7.1± MILES

DEPARTMENT OF TRANSPORTATION STATE OF HAWAII	
APPROVED:	
_____ DIR. OF TRANSPORTATION	_____ DATE

IMPROVEMENTS TO MALUHIA ROAD AND KŌLOA ROAD WITHIN KŌLOA DISTRICT FEDERAL – AID PROJECT NO. STP - _____

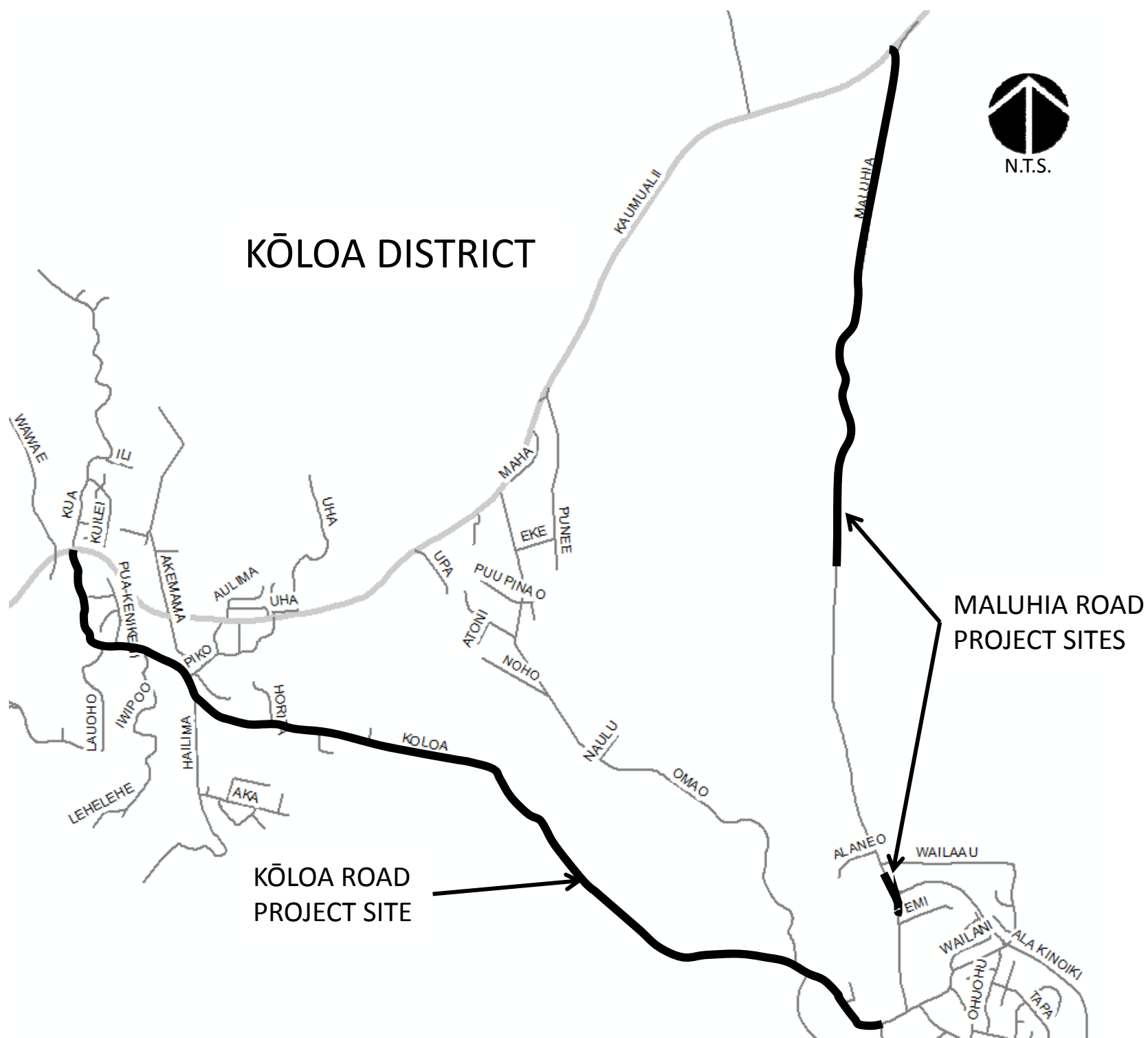


ISLAND OF KAUAʻI

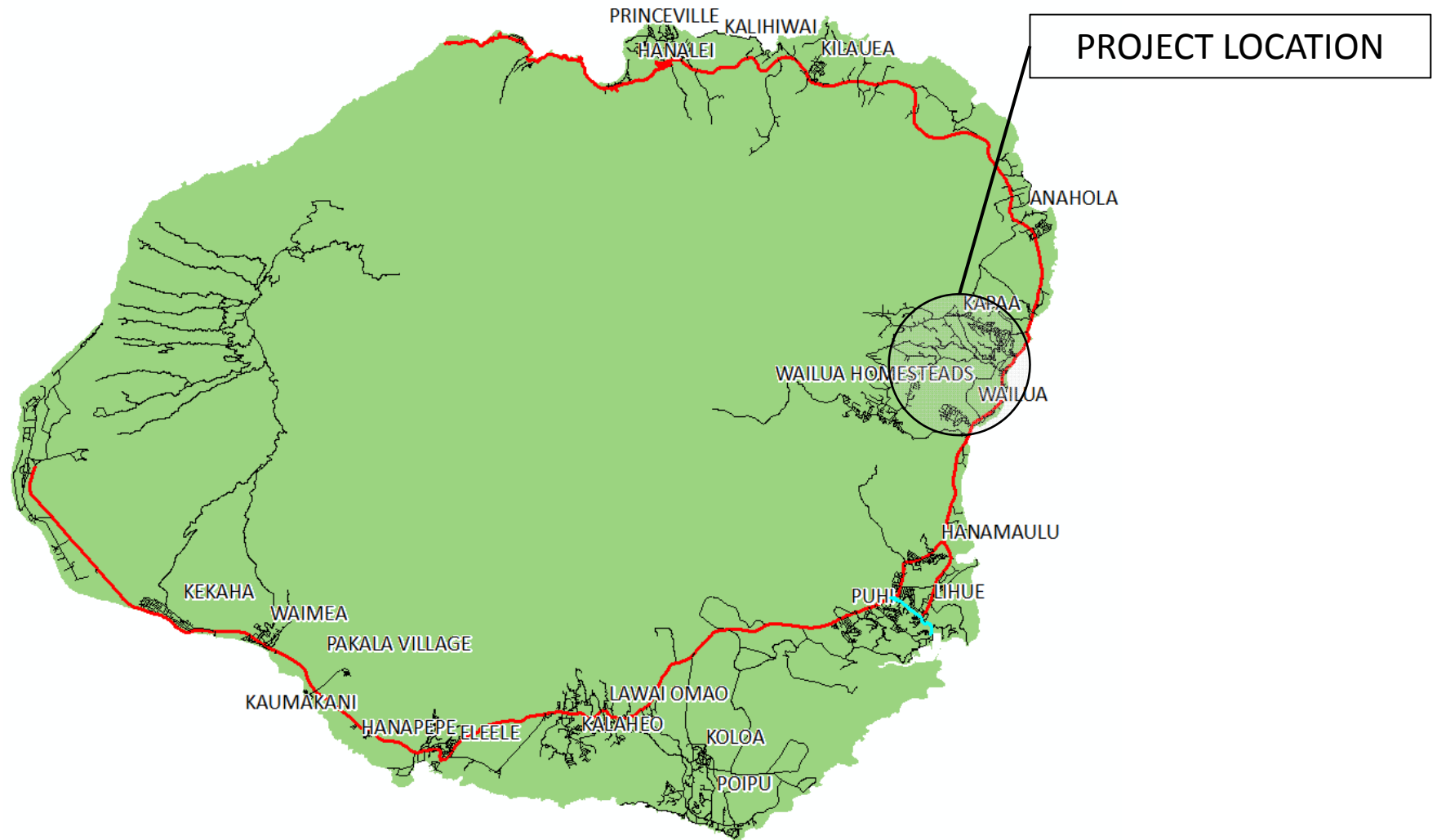




KŌLOA DISTRICT



IMPROVEMENTS TO VARIOUS COLLECTOR ROADS WITHIN KAWAIHAU DISTRICT FEDERAL – AID PROJECT NO. STP - _____



ISLAND OF KAUA'I



N.T.S.

