ITS Projects

Project Name	Project Status	Timeframe	Project Description
HDOT-HWY-K Traffic Signal Upgrade	Planned	Near-Term	This project will upgrade traffic signal systems to have remote monitoring capability. Existing modems in equipment could be lit up and FOC could be added. Alternatively, a Public-Private partnership with telecommunications providers could be established
HDOT-HWY-K Portable Dynamic Message Sign (DMS) Upgrade	Planned	Long-Term	This project will upgrade HDOT-HWY-K portable DMS to have modems for remote access.
HDOT-HWY-K Closed Circuit Television (CCTV)	Planned	Long-Term	This project will add CCTV at state intersections in Kauai.
HDOT-HWY-K Traffic Control Center (TCC)	Planned	Long-Term	This project will create a traffic control center from which State traffic signals and other ITS equipment will be monitored. The center will include connections to the Kauai 911 Dispatch Center and Kauai EOC.
HDOT-HWY-K Fixed Dynamic Message Signs (DMS)	Planned	Long-Term	This project will add fixed DMS at key locations in Kauai. These signs will need to be smaller fixed mount signs that would notify the public of road closures and alternate routes.
HDOT-AIR-K Parking Closed Circuit Television (CCTV)	Planned	Near-Term	This project will expand CCTV camera coverage to include parking areas.
HDOT-AIR-K Roads Closed Circuit Television (CCTV)	Planned	Near-Term	This project will expand CCTV camera coverage to include the roads leading to/from the airport.
HDOT-AIR-K Traveler Information Kiosk	Planned	Long-Term	This project will add a traveler information kiosk at baggage claim and tie into the Flight Information Display System (FIDS) at baggage claim.
HDOT-AIR-K Mobile Data Terminals	Planned	Long-Term	This project will add MDTs to the HDOT-AIR-K/ARFF Fire/Emergency Vehicles.
HDOT-AIR-K Wireless Communications Upgrade	Planned	Long-Term	This project will upgrade wireless communications for the Kauai Airport.
HDOT-AIR-K Airport Secondary Entrance	Planned	Long-Term	Should a second entrance to the Lihue Airport be constructed, ITS field devices (e.g., CCTV cameras, traffic sensors, dynamic message signs) could be included in the project design in coordination with HDOT-HWY-K.
HDOT-HAR-K Monopole Wireless Communications	Planned	Near-Term	This project is part of the statewide maritime wireless communications project to construct and install a monopole at each port, enabling wireless communication between the Harbors Division and its districts, with the State and County Civil Defense/Emerge
HDOT-HAR-K Expanded Closed Circuit Television (CCTV) Coverage	Planned	Near-Term	This project will expand CCTV coverage at the port to address blind corners.
HDOT-HAR-K Security Trailer	Planned	Long-Term	This project will construct a security trailer with a consolidated Security Office at Nawiliwili that operates 24/7 with adequate staff to monitor video from all CCTV cameras; ensure access to camera images regardless of vendor using a video distribution
HDOT-HAR-K Emergency and Traffic Coordination	Planned	Long-Term	This project will establish a connection between the Harbor Security Office, the EOC and the HDOT-HWY-K's desired traffic operations center (TOC).
Kapaa Transportation Solutions Project	Planned	Near-Term	The Kapaa Transportation Solutions Project will look at transportation improvements to benefit Kapaa. There may be ITS applications considered for implementation as part of this project.

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Kauai DPW Closed Circuit Television (CCTV)	Planned	Near-Term	This project will coordinate with HDOT-HWY-K to add CCTV cameras for traffic monitoring on Kauai County roads at select areas.
Kauai DPW Temporary Speed Signs	Planned	Near-Term	This project coordinates with HDOT-HWY-K to deploy temporary speed signs with the dual purpose of collecting data and responding to neighborhood speed complaints.
Kauai DPW Fixed Dynamic Message Signs (DMS)	Planned	Long-Term	This project will coordinate with HDOT-HWY-K to deploy permanent DMS with advisory speed messages. The signs will also have the capability to collect speed data.
Kauai Bus On-Board Closed Captioned Television (CCTV) Cameras	Planned	Near-Term	This project will add on-board closed captioned television (CCTV) cameras to Kauai Buses to provide security.
Kauai Bus Transit Center	Planned	Near-Term	This project will design and construct a transit center at the Lihue Civic Center.
Kauai Bus Next Bus Traveler Information	Planned	Near-Term	This project will add Next Bus real-time traveler information to Kauai buses.
Kauai Bus Automated Vehicle Location (AVL)/ Computer Aided Dispatch (CAD)	Planned	Near-Term	This project will add automated vehicle location (AVL) to all buses and paratransit vehicles, along with computer aided dispatch (CAD) for fleet management.
Kauai Bus WiFi	Planned	Long-Term	This project will add WiFi connectivity on every bus and at every Kauai Bus stop.
Kauai Bus Transit Signal Priority (TSP)	Planned	Long-Term	This project will implement transit signal priority to improve schedule adherence.
Kauai Bus Master Transit Coordination Center	Planned	Long-Term	This project would create a master transit coordination center for the island. This center could potentially include not only Kauai Bus elements, but also private shuttles if the shuttle project moves in that direction.
Kauai CDA and Kauai 911 Dispatch Center Coordination	Planned	Near-Term	This project will add a read-only CAD feed from the Kauai 911 Dispatch Center to the Kauai EOC.
Kauai Fire MDT Upgrade	Planned	Near-Term	This project will replace MDTs (likely with tablets). [Note: This project has some dependency on KFD's selection of a replacement CAD system.]
Kauai Fire Wireless Communications Upgrade	Planned	Near-Term	This project will improve wireless communications for the Kauai Fire.
Kauai Police Computer Aided Dispatch (CAD) System Upgrade	Planned	Near-Term	This project will upgrade or replace the Kauai Police CAD system.
Kauai Police Mobile Data Terminal (MDT) Upgrade	Planned	Near-Term	This project will upgrade the MDTs in Kauai Police vehicles.
Kauai EMS Computer Aided Dispatch (CAD) System	Planned	Near-Term	This project will upgrade tablets in Kauai EMS vehicles to ensure CAD functionality.
Kauai Wireless Communications Upgrade	Planned	Long-Term	This project will improve wireless communications for Kauai EMS.
Hanalei Flood Warning System	Planned	Long-Term	This project will involve HDOT-HWY-K, Kauai Civil Defense, Police, and DPW to develop a warning system consisting of CCTV and other ITS equipment. Information from rain gauges operated and maintained by the National Weather Service / USGS will be used fo