

ITS Projects

Project Name	Project Status	Timeframe	Project Description
HDOT-HWY-M Traffic Signal Upgrade	Planned	Long-Term	This project will upgrade the state traffic signal system in the County of Maui to have remote monitoring capability.
HDOT-HWY-M Closed Circuit Television (CCTV) Expansion	Planned	Long-Term	This project will add CCTV on state roads.
HDOT-HWY-M Dynamic Message Signs (DMS)	Planned	Long-Term	This project will upgrade the DMS located south-bound on Highway 30 (to Lahaina) to be remotely configured. This project also includes installation of new DMS on State roadways in the County of Maui (actual locations TBD).
HDOT-HWY-M Traffic Operations Center (TOC)	Planned	Long-Term	This project will create a traffic control center from which State traffic signals and other ITS equipment in the County of Maui will be monitored.
HDOT-AIR-M Closed Circuit Television (CCTV)	Planned	Long-Term	This project will install roadside CCTV for security and traffic operations to be deployed on the new road leading to Kahului Airport.
HDOT-AIR-M Dynamic Message Signs (DMS)	Planned	Long-Term	This project will deploy variable or dynamic message signs (VMS/DMS) to tell drivers leaving Kahului Airport about road closures or other relevant data.
HDOT-AIR-M Parking Management System	Planned	Long-Term	This project will create an automated parking management system for Kahului Airport visitors and employee parking.
HDOT-HAR-M Traffic Control	Planned	Long-Term	The Kahului Ports Development Plan calls for placing ITS in the region of the port to monitor and manage traffic. They may develop large check-in lanes. These plans could include cameras and signals operated by HDOT-HAR-M.
HDOT-HAR-M Surveillance	Planned	Near-Term	This project will deploy additional port surveillance.
Maui Emergency Operations Center	Planned	Long-Term	This project will create a new EOC. Tenants in the new EOC will likely include the County of Maui Civil Defense Agency, Information Technology, 911 Center, and Radio Shop.
Maui DPW Traffic Signal Upgrade	Planned	Long-Term	This project will interconnect all Maui Traffic Signals.
Maui DPW Traffic Systems Upgrade	Planned	Near-Term	This project will upgrade Maui Traffic Systems, including signals and CCTV.
Maui DPW Conduit	Planned	Near-Term	This project will add spare capacity to conduit to Maui DPW construction projects.
Maui DPW Closed Circuit Television (CCTV)	Planned	Long-Term	This project will add CCTV on Maui roads for traffic operations and monitoring.
Maui DPW Signal Programming Software Upgrade	Planned	Long-Term	This project will upgrade the Maui signal software.
Maui DPW Traffic Operations Center	Planned	Long-Term	This project will develop a traffic operations center (TOC) to monitor the Maui traffic signal system and CCTVs.
Maui DPW and PD Coordination	Planned	Long-Term	This project will coordinate with Maui Police to share information (e.g., speed).
Maui DPW Smart Lighting System	Planned	Long-Term	This project will deploy a smart lighting system on Maui streetlights.
Maui Police Mobile Data Terminal (MDT) Upgrade	Planned	Near-Term	This project will upgrade and replace all Maui Police MDTs.
Maui Police Archived Motor Vehicle Crash Data Archive	Existing	Existing	This project archives Maui motor vehicle crash data. The data is electronically provided to HDOT every Monday at 3am. Formerly, this information was provided in hard copy.

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Maui Police Computer Aided Dispatch (CAD) Extension	Existing	Existing	This project will expand the CAD capabilities so that alerts and notifications may automatically be sent to select agencies in the County of Maui.
Maui Fire Mobile Data Terminals (MDT)	Planned	Near-Term	This project will install MDTs in Maui Fire vehicles.
Maui Fire Automated Vehicle Location (AVL)	Planned	Near-Term	This project will install AVL on Maui Fire vehicles.
Maui Fire Closed Circuit Television (CCTV)	Planned	Long-Term	This project will add CCTV cameras to Maui Fire vehicles.
Maui Fire Wearable GPS	Planned	Long-Term	This project will add wearable GPS devices for fire personnel.
Maui EMS Automated Vehicle Location (AVL)	Planned	Near-Term	This project will add AVL to all Maui EMS vehicles via the Fleet Eyes System.
Maui EMS Mobile Data Terminal (MDT)	Planned	Long-Term	This project will install MDTs in Maui EMS vehicles.
Maui EMS HEMSIS Connection	Planned	Long-Term	This project will use MDTs to ensure that CAD (Computer Aided Dispatch) information can be downloaded into HEMSIS (Hawaii Emergency Medical Services Information Services). This project is dependent on the deployment of Maui EMS MDTs (Mobile Data Terminals)
Maui Bus AVL	Planned	Near-Term	This project will deploy AVL on Maui Bus fixed-route vehicles. Maui Bus currently has GPS on their transit vehicles, but it must be manually downloaded. This project will create a wireless connection to the Maui Bus GPS.
Maui Bus Next Bus Information	Planned	Near-Term	This project will deploy a notification system, similar to C&C Honolulu's DaBus smartphone app, to provide next bus information to customers via a smartphone.
Maui Bus Transit Signal Priority	Planned	Long-Term	This project will deploy transit signal priority in the County of Maui.
Maui Bus CCTV	Planned	Long-Term	This project will connect the cameras currently deployed on Maui Bus vehicles and connect them to the Maui Bus Dispatch Center, so that images will be able to be viewed live at the center.
Maui Bus Transit Hubs	Planned	Long-Term	This project will create three new bus hubs in South Maui, West Maui, and Central Maui. The hubs will include electronic signs with next bus information.
Maui Bus Roadside Equipment	Planned	Long-Term	This project will add roadside equipment at bus stops (i.e., at remote bus stops without lighting).
Maui Bus Enhanced Transit Traveler Information	Planned	Long-Term	This project will enhance a future Maui Bus Transit Traveler Information System to include: (1) number of un-used bike positions on a bus; (2) electronic advertising on buses and at hubs; (3) automated announcements on buses.
Maui Bus Passenger Counting	Planned	Long-Term	This project will install passenger counters on the Maui Bus fixed-route system.
Maui CDA Everbridge	Planned	Near-Term	This project will fully implement the Everbridge disaster traveler information notification (including reverse 911) system.
Maui IT Communications System Upgrade	Planned	Near-Term	This project will upgrade the communications network for the County of Maui to enable an expansion of CCTV and signals for County of Maui DPW.
Maui CDA CCTV Coordination	Planned	Long-Term	This project will provide a connection to the County of Maui EOC with sister agencies to see CCTV images and improve situational awareness.