

State of Hawaii  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
Engineering Division  
Honolulu, Hawaii 96813

October 23, 2015

Board of Land and Natural Resources  
State of Hawaii  
Honolulu, Hawaii

**Request Authorization to Select Consultants and Authorize the Chairperson to Negotiate, Enter, and Execute Agreements with Consultants to Implement and Administer Projects in Support of the Cooperating Technical Partners (CTP) Grant**

The Department of Land and Natural Resources, Engineering Division (DLNR) desires to enter and execute agreements with consultants to properly implement and administer the Cooperating Technical Partners (CTP) Grant, which is funded by the Federal Emergency Management Agency (FEMA). This authorization will support the following projects:

1. Information Technology/Information Resource Management (IT/IRM) Services to inventory, collect, and prepare Lidar data for integration into the Hawaii Flood Hazard Assessment Tool (FHAT):  
The objective of this project is to inventory, collect, prepare and integrate Lidar (topographic elevation) data, from various sources, into the FHAT so that National Flood Insurance Program (NFIP) stakeholders will more accurately understand the flood risks in the areas of interest. This Lidar data can also be incorporated into the State General Flood Control Plan (SGFCP) for use by partners in preparing detailed flood studies. Additional tasks in this project will include general upgrade and maintenance to the NFIP Tool Kit applications.
2. Information Technology/Information Resource Management (IT/IRM) Services to develop a digital Geographic Information System (GIS) layer of building footprints for the State of Hawaii for integration into the Hawaii Flood Hazard Assessment Tool (FHAT):  
This project is to assess flood risk vulnerability and identify areas for future flood insurance studies by developing a digital GIS layer of building footprints for the State of Hawaii. The City and County of Honolulu will be the first county to be mapped. As

additional funding is obtained, other area and counties will be mapped and assessed. This layer may also be integrated into the State General Flood Control Plan (SGFCP) for use in analyzing and prioritizing future State-funded flood mitigation projects. The scope of this technical pilot project involves the coordination and collection of existing data, digitization of uncollected building footprints from aerial imagery, and generating a flood vulnerability report summarizing the assessment results.

All procurements will be made in accordance with the State Procurement Code, Chapter 103D, Hawaii Revised Statutes.

RECOMMENDATION:

- 1) That the Board of Land and Natural Resources (Board) authorize the selection of consultants to implement and administer projects in support of the Cooperating Technical Partners (CTP) Grant and authorize the Chairperson to negotiate, enter, and execute agreements, subject to Governor's approval, and review and approval as to form by the Department of the Attorney General.
- 2) That the Board authorize the Chairperson, subject to available funding and review and approval as to form by the Department of the Attorney General, to enter into supplemental contracts to address unforeseen conditions and sign the necessary documents to implement the additional work.

Respectfully submitted,



*for* CARTY S. CHANG  
Chief Engineer

APPROVED FOR SUBMITTAL:



SUZANNE D. CASE, Chairperson  
Board of Land and Natural Resources