

Project: KA'U SCENIC BYWAY
GIS APPLICATIONS TRAINING

Location: Pahala, Hawaii

Client Address: Lyon Associates
45 N. King Street, Suite 501
Honolulu, Hawaii 96817

Contact: Mrs. Kashmira Reid, vice president/project manager

Year Completed: June 2012

Project Scope:

Lyon Associates was retained by the Hawaii Department of Transportation to develop a statewide Hawaii Scenic Byways Program, provide resources and technical support to the Hawaii Department of Transportation, and assist local byway sponsor groups in their preparation of applications to become a state or national scenic byway. Lyon Associates requested Pedersen Planning Consultants (PPC) to provide GIS applications training to one byway sponsor group, the Ka'u Chamber of Commerce, that is based on the Island of Hawaii's Ka'u district. The training was to acquaint the local byway sponsor group with geographical information systems and how GIS technology might be applied to the preparation of a corridor management plan for a scenic byway that extends 58-miles along the southern coast of the Island of Hawaii.



PPC prepared a MS PowerPoint presentation entitled Opportunities for GIS Applications. This training included four lessons:

1. Lesson One described the basic elements of a Geographical Information System (GIS), how they are developed, where spatial data comes from, as well as examples of GIS applications in other Pacific Islands.
2. Lesson Two identified potential applications to the corridor management plan required by the Hawaii Scenic Byways Program to maintain a state scenic byway status. Potential GIS applications were described in the context of specific program requirements and available spatial data.
3. Lesson Three introduced the type of GIS software offered by Environmental Research Systems Institute. PPC also provided community leaders in the Ka'u district with the opportunity to use ArcReader, a freeware GIS product, for a community in the Rocky Mountain region.
4. Lesson Four identified options and related strategies for applying GIS to the corridor management plan for the Ka'u Scenic Byway.