

CALIFORNIA COASTAL COMMISSION

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September 23, 1997

To: California Coastal Commissioners

From: James W. Burns, Chief Deputy Director
Susan Hansch, Deputy Director
Jaime C. Kooser, Federal Programs Manager

Subject: **Recommended Approval of an Agreement with the State Coastal Conservancy to Complete a Digital Atlas of Coastal Access Inventory Maps and Develop a GIS-based Coastal Accessway Information System for Malibu/Santa Monica Mountains**

Staff Recommendation

The staff recommends that the Commission authorize the Executive Director to enter into an agreement with the State Coastal Conservancy under which the Commission would receive \$45,000 in federal funding to complete a digital atlas of coastal access inventory maps and develop a GIS-based coastal accessway information system for Malibu/Santa Monica Mountains. Specific Commission staff responsibilities are described under "Scope of Work" below.

Staff Summary

The Coastal Commission is required to maintain an inventory of Coastal Accessways which lists, among other items, known offers to dedicate, accepted dedications, and other legally-binding actions taken that provide opportunities for any type of public use of or access to or along the coast (CA Section 30531(a)(2)). The Inventory was prepared in 1980 and has been kept current since then. A set of maps depicting the locations of these accessways was also prepared in 1980 and has been periodically updated. In the Malibu/Santa Monica Mountains there are 353 offers to dedicate public access easements, 199 deed restrictions, and 41 other legal documents that have been required by the Commission included in the Inventory.

This project involves the completion of a digital atlas of coastal access inventory maps, and the development of an operational GIS-based coastal accessway information system for the Malibu/Santa Monica Mountains area of Los Angeles County. As with the Malibu pilot Coastal Access atlas and information system, the information made available as a result of this expanded work would be highly useful because it can be linked to the accessway database and made easily accessible to planners, decision-makers, and anyone else with access to a personal computer.

The primary products of the work would be a digital atlas of Coastal accessways and accessway information system for a priority subset of the Malibu/Santa Monica Mountains area. These products could be made available in both hard copy form and possibly on a CD containing the material and some means of viewing it. Eventually, these files could also be made accessible, if appropriate, via the Conservancy and Commission web sites. Large-format color plots of the digital Access Inventory maps will be made available on a case-by-case basis.

Scope of Work

Under the proposed standard agreement with the State Coastal Conservancy, The Coastal Commission would receive \$45,000 over a 12-month period for Commission staff to perform specific tasks. Specifically, Coastal Commission staff will undertake the following tasks in order to set up an expanded GIS-based information system for coastal accessways, and the production of an atlas of 24-inch by 36-inch maps depicting selected accessways and other information in the Malibu/Santa Monica Mountains area of Los Angeles County. Additionally, electronic files linked to the maps would contain text information, photo-images, and possible other types of access-related information. Approximately 10-12 "legend" categories would be included. Approximately 113 records would be depicted initially, with the project design allowing for additional records to be added. The Atlas of Malibu/Santa Monica Mountains Coastal Accessways would be reproduced in color and black and white reproducible versions.

Task Group 1. Project Design: Work plan preparation, review, modification, and approval. Set up computer framework. Set up GIS analyst to begin interface design. Set up cartographer to begin data capture.

Task Group 2. Map Production: Over a period of weeks, create data "layers" for each legend category and place map symbols to depict selected coastal accessway items. Plot draft materials for review. Prepare final electronic files for plotting.

Task Group 3. GIS-based Accessway Information System Development: Over a period of weeks, create the ArcView project, views, and layouts, necessary for the accessway Information System. Import and edit selected text, images, etc. Output draft materials for review. Prepare final electronic files for printing and plotting.

Task Group 4. Project Management: Over the timespan of the production schedule, review cartographer's development of thematic map layers weekly. Guide cartographic and reverse-side design, symbology etc. Review GIS project preparation weekly. Review preliminary map and GIS outputs with SCC and CCC staff and others. Set up and manage plotting of atlas sheets.