**WEB GIS FOR A HISTORIC DISTRICT**

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**BACKGROUND**

Highland, California is a small city located approximately 66 miles east of Los Angeles. The town was founded in 1891 and was once part of the booming citrus industry. Now, with a population of 53,000, the city still retains a small town atmosphere with many of the original buildings still standing.

The Economic Department in Highland is responsible for maintaining records on historically designated buildings in Highland.

**PROBLEM**

The Economic Department maintains many different datasets. However, these were all stored in paper form in many file cabinets. It was time-consuming to search through all the records whenever a question was asked. The other departments also had no remote access to these records. The Economic Department needed a way to easily store, maintain, and share their data with the other city departments.

**SOLUTION**

A Web GIS was built for the City of Highland’s Economic Department. This application allows the Department to browse, query, and edit their data. The web application was a good option for the Economic Department because they do not have any experience with GIS and needed something that was intuitive to use. It also allows the other City government departments to access the data therefore creating a more efficient workplace.

**FUNCTIONS**

The application has three major functions:

- Pop-up windows allow the user to explore the data
- Search Feature Layer allows for the searching of multiple attributes
- The Default Editor allows users to add features and edit existing ones

**PROCESS**

An ArcSDE geodatabase was built containing data on Highland’s Historic District received from the client. The database was non-versioned as only one person will be editing the data. When the data scrubbing was complete it was used to create an Arc Map Document and then published to the web using ArcServer 10. The web application was built using the ArcGIS API for Flex v2.5 and compiled using Flash Builder version 4.6.