



## Urban Dynamics: Sioux Falls, South Dakota

Small cities such as Sioux Falls, South Dakota, are faced with urban growth management issues similar to those of much larger cities. Sioux Falls is serving as a test site for developing geographic analysis procedures and evaluating the results of modeling activities.

This project is examining the development patterns of a relatively small mid-western city whose development is unconstrained by hydrographic and physiographic features.

Project participants have created a high-resolution temporal geographic information system (GIS) of land-use change and primary transportation routes in and around Sioux Falls for eight time periods between 1900 and 1996. Geographic analysis of land-use change and population growth within this northern Great Plains city will provide information important for developing a decision support system for use by regional planners.

This project is a joint activity between USGS and the City of Sioux Falls Planning and Engineering Departments, Minnehaha County

Planning and Zoning Office, Lincoln County Planning Office, Southeastern South Dakota Council of Governments, and South Dakota State University.

Customers include the City of Sioux Falls Planning and Engineering Departments, Minnehaha County Planning and Zoning Office, Lincoln County Planning Office, Southeastern South Dakota Council of Governments, and Sioux Falls educators and students.

For more information:  
<http://edcdgs9.cr.usgs.gov/urban/>