

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Support Development of a GIS Mapping and Analysis System for Long Range Transportation Planning

Discipline: Social
Type of Project: Technical Assistance
Funding Agency: National Park Service
Other Partners/Cooperators: Colorado State University
Effective Dates: 8/1/2011- 12/30/2013
Funding Amount: \$140,511

Investigators and Agency Representative:

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Project Abstract: The Facilities Planning Program, a branch of the WASO Park Facilities Management Division, is developing a GIS analysis tool, PaTina (Park Asset Transportation Needs Assessment), to aid in identifying transportation related infrastructure and management needs. This tool will be crucial in accomplishing Long Range Transportation Planning at all administrative levels of the NPS. The Department of Horticulture and Landscape Architecture at Colorado State University (CSU) has been involved in innovative research and has developed technical processes for using geographic information systems and digital imaging in the identification, spatial analysis, simulation, development, preservation, and management of special rural, historic, scenic and commemorative landscapes. By incorporating the previous experiences and innovated techniques available through CSU into PaTina, CSU and NPS will create a methodical, replicable GIS based analytical tool/process that can be implemented by the NPS, other FLMA's, DOTs and MPOs in Long Range Transportation Planning (LRTP) efforts.

Outcomes with Completion Dates: November 30, 2013

Keywords: Colorado State University, WASO - Park Facility Management Division (PFMD) - Facility Planning Program (FPP), GIS mapping, transportation planning