

**Overview:** Roadway and Drainage Design; Storm Water Management; Hydrology

## Ridge Road Improvements

**Owner:** Douglas County, CO

Completion: 2006

## **Project Description**

Centennial provided roadway and drainage design, storm water management, and hydrology services for this 1mile long project in Douglas County.

The existing 20-foot wide gravel pavement section was redesigned to meet the requirements of a 32-foot wide, 45 mph design asphalt section with flat bottom ditches, upgraded drainage system and permanent erosion control feastures..

Key design issues were minimizing adjacent property impacts in a narrow ROW corridor, avoiding impacts to two existing waterlines, erosion control, and coordination with future development.







Drainage and Erosion Control Issues on Ridge Road

## SERVICES

Structural Engineering & Design Roadway Design Construction Engineering Traffic Engineering Intelligent Transportation Systems (ITS) Surveys & Right-of-Way Information Technology Systems

## CONTACTS

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