



**Richard I. Day, Jr., PE**  
**Senior Engineer**

**REGISTRATION:**

Registered Professional Engineer – Colorado

**CREDENTIALS:**

Colorado School of Mines – BS in Engineering (Civil Option) and a minor in Economics 1999

**CITIZENSHIP:**

United States of America

**PROFESSIONAL HISTORY:**

2003 - Present	AES Group, Inc	Senior Engineer
2001 - 2003	Summit County Government	Assistant County Engineer
1999 - 2001	Martin Design, Inc.	Project Engineer
1998 - 1999	MK Centennial	Intern

**EXPERIENCE SUMMARY:**

Mr. Day's duties include analysis design of building structural systems, both residential and commercial, utilizing wood, steel, masonry and reinforced concrete. Projects range in size from 2,000 to 40,000 square feet. He also performs design of site grading and drainage, determining storm piping, flow routing and required detention for 10, 50, and 100-yr storm recurrence intervals. Mr. Day has performed structural inspections for numerous insurance claims and related failures.

Mr. Day performed development and permitting review of grading, drainage and road plans for Summit County, Colorado. Projects ranged in size from single family residences to subdivision development and included on site observations of grading activities. Additional duties included management of flood plain regulations in accordance with FEMA and local regulations, review of variance requests, oversight of Local Improvement Districts, and review of traffic control signage requests.

Mr. Day has been employed as a project engineer performing structural engineering for residential construction. He performed analysis and design of buildings ranging in size from 1,900 to 25,000 square feet, for clients such as Sheffield Homes and Mesa Properties and Bechtel National. He is experienced in the design of buildings using wood, steel, masonry and reinforced concrete, and responsibilities included client interaction and construction observation.

Mr. Day has worked as an intern as part of a Transportation Planning Team on various projects, he has worked with Microstation drawings, preparation of Environmental Impact Statements and road design.

Mr. Day is proficient in AutoCad, Autodesk Civil3D, RAM Structural System, Ram Advanse, Visual Analysis, StruCalc, ARCview GIS, Haested and HEC-RAS software.

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