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**STRUCTURAL**

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Structural engineering is a specialized field of the general practice of civil engineering. Structural engineering encompasses many forms and portions of structures—foundations, retaining walls, building skeletons, and bridges are examples. Commonly the structural design is a hidden but vital part of the finished project. Sometimes, however, its results are exposed to dramatic effect (think Golden Gate Bridge, Hoover Dam, and the Chrysler Building).

Nelson Engineering has provided structural engineering services over the entire life of the firm and has a wide and varied body of constructed work. Our structural engineers ensure that their designs satisfy design intent predicated on safety, code compliance, and serviceability. Our structural engineers are responsible for making efficient use of funds and materials to achieve these goals.

Nelson Engineering has a customized approach to structural design, recognizing that understanding of the client's ideas and needs, and on-going client communication are integral to project success. We prefer to be involved as early as possible in the design work so structural elements are an integrated and complementary component of the design. We believe that clear, concise drawings correctly illustrating the work to be performed result in better understanding on the part of potential contractors and, therefore, more competitive bidding and better prices. It also results in a smoother, more efficient construction process.

Our engineers are inspired by their work; we add innovation to the normal prerequisites of planning and design. Typically we can offer our clients better choices of materials, more alternatives in appearance, more functional arrangements, and usually a substantial cost savings through innovative problem-solving throughout the planning and design process.