The implementation of good design requires attentive oversight and quality control during construction. Nelson Engineering provides materials testing and quality assurance inspection services ensure construction meets design expectations. We maintain a laboratory, trained staff, and field testing equipment suitable for all types of infrastructure projects including roads, structures, utilities, and earthwork.

Our testing staff travel frequently and excel at scheduling work throughout the region so your project is not delayed by testing requirements. Field testing services include soils compaction, asphalt density, fill gradations, and concrete. Quality assurance inspections include rebar placement for reinforced concrete and structural steel fabrication including welds and bolt installation.

Our quality assurance laboratory performs soils density and gradation analyses, concrete cylinder strength testing, and mortar testing. Our laboratory is staffed by experienced technicians certified under WYDOT, ASTM, and ACI. Concrete and masonry compression and soils testing equipment is calibrated annually to assure accuracy and consistency.

Beyond our own laboratory testing capabilities, Nelson Engineering has long-standing working relationships with regional laboratory facilities and can arrange for specialty testing of soils, masonry blocks, and steel if required.