

## SPECIAL INSPECTIONS

Many projects involve challenges beyond engineering, and Olsson Associates' Special Inspections team is available to perform a wide variety of code-mandated reviews of specific structural elements on these projects.

Our Special Inspections and Material Testing team will visit your project to provide field testing services, such as nuclear density tests during subgrade preparations and mass grading operations; concrete testing for roadway, commercial, and industrial projects; welding and high-strength bolt inspections; inspections of structural steel membranes; and fireproofing inspections.



## SPECIAL INSPECTIONS | SERVICES

### Structural Steel

#### Field Testing

- Skidmore Willhelm - Bolt Testing
- Visual Inspections
- Ultrasonic Testing
- Magnetic Particle Testing
- Liquid Dye Penetrant Testing
- Radiographic Management
- Writing Welding Procedures
- Writing Bolting Procedures
- Certification of Welders
- Developing Quality Control Manuals
- Installing Quality Control Manuals
- Shop Inspections

#### Laboratory Testing

- Macrotech
- Bend Testing
- Tensile Testing
- Milling of Specimens
- Ultrasonic Testing
- Magnetic Particle Testing
- Liquid Dye Penetrant Testing
- Radiographic Film Interpretation

### Soils/Aggregate (AASHTO-Accredited)

- Nuclear Density Testing
- Sand Cone Testing
- Dynamic Cone Penetrometer (DCP) Testing
- Sampling and Laboratory Testing

### Concrete (CCRL-Accredited)

- Fluid Concrete Testing (ACI)
  - Air, Slump, Temperature, Casting Cylinders
- Reinforcing Steel Inspections (ICC)
- Post Tension Cable Inspections
- Coring and Sampling
- Swiss Hammer (Rebound Hammer)
- Vapor Emissions Testing
- Reinforcing Steel Locating (Rebar Location)
- Floor Flatness

### Masonry

- Masonry Construction Inspection (ICC)
- Block Prism Testing
- Masonry Block Strength/Absorption Testing
- Grout and Mortar Sampling and Testing

*Many projects involve challenges beyond engineering. Olsson Associates employs people who understand projects' unique needs, saving you valuable time and resources. We'll work with you to plan and implement projects, programs, and amenities to meet your needs.*

