

STRUCTURAL INSPECTIONS AND ROPE ACCESS



CAPABILITIES STATEMENT

Fickett Structural Solutions, Inc. is a Small Business Enterprise (SBE) that offers structural inspections tailored to specific project requirements for a variety of structure types, including bridges, hydraulic steel structures, and highway ancillary structures. Since 2001, our team of engineers and inspectors has been active in all aspects of structural inspections.

Many of Fickett's inspectors are certified by the Society of Professional Rope Access Technicians (SPRAT), giving our team the capability to access even the most challenging locations to conduct comprehensive inspections of all structural components. We also use small, unmanned aircraft systems (sUAS), commonly referred to as drones, and have FAA-certified Remote Pilots on staff to provide additional access to areas of the bridge that would otherwise require extensive and time-consuming methods.

Our inspection services are further enhanced by our nondestructive testing (NDT) capabilities: magnetic particle (MT) and ultrasonic (UT). This facilitates real-time collaboration between structural engineers and NDT specialists in the field, which enables us to communicate more efficiently with owners.

Several of Fickett's Senior Project Managers are also Certified Instructors with the National Highway Institute (NHI), allowing us to stay current with new SNBI standards and inspection methods. Courses instructed through NHI include Safety Inspection of In-Service Bridges and Bridge Inspection Refresher Training around the country.

Inspection Types

Fickett offers inspections tailored to specific project requirements. Our team of engineers and inspectors has been actively involved in all aspects of structural inspections, providing thousands of inspections to federal, state, and local agencies across the country. Inspection types include **Initial, Routine, Nonredundant Steel Tension Member (NSTM—formerly referred to as Fracture Critical), Emergency/Damage, In-Depth, Quality Assurance, Interim/Special, Scour Monitoring, and Drone/sUAS.**

Safety Certifications

- Under-bridge Inspection Truck (UBIT) Certified
- Aerial Lift Certified
- First Aid & CPR (all personnel)
- OSHA 10-Hour (all personnel)
- OSHA 30-Hour
- Fall Protection Competent Person
- Confined Space Competent Person
- Scaffolding Safety Competent

Additional Capabilities

- SPRAT Certified Inspectors (Levels I, II, III)
- Nondestructive Testing: ASNT (Levels II and III), MT/UT
- Bridge Load Rating
- Hydraulic and Scour Analysis
- NHI Certified Instructors
- SNBI Conversion
- New Bridge Design
- Repair and Retrofit Design

NAICS Codes:

541330 - Engineering Services 541380 - Testing Laboratories 541690 – Other Construction

USACE Districts: Buffalo, Chicago, Detroit, Huntington, New Orleans, Omaha, Philadelphia, Pittsburgh, Portland, Rock Island, Sacramento, Seattle, St. Louis, St. Paul, and Walla Walla

State Departments of Transportation: Alaska, Arkansas, Colorado, Florida, Hawaii, Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, Mississippi, Montana, North Dakota, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, and Wisconsin

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