TOWERS & CLIMBING

PROFESSIONAL CAPABILITIES

INSPECTION & TESTING

- Detailed Hands-On Structural Inspections Performed by Registered Professional Engineers
- Nondestructive Testing
- Tension Testing with Deflection Tension Meter

ENGINEERING EVALUATION

- Structural and Geotechnical Analysis and Design
- Comprehensive Engineering Reports
- Repair and Rehabilitation Design
- Structural Design Services: Foundations, Equipment Platforms, and Antenna Mounting Arms
- Plan and Specification Development
- Cost Estimates
- Site Plan Development
- Permitting
- Construction Engineering and Observation

TRAINING & CERTIFICATION

- OSHA Fall Protection Climbing Safety Instruction
- Advanced Structure Climbing Safety and Rescue Certification
- Completion of First Responder CPR/First Aid/Emergency Oxygen Training
- ComTrain Structure Climbing Certification

Collins' experience with the development of inspection programs, the authorship of inspection manuals, the management of structure inspection programs, and the field inspection of thousands of bridges, trusses and other structures provides a unique team of professionals possessing a very diverse background in structure inspection work. We bring this experience and knowledge to the inspection, analysis, and rehabilitation design of communication towers.

To determine the presence of any defects and analyze the tower for existing and future loading, Collins' engineers perform climbing inspections of towers and tension testing, in addition to various methods of nondestructive testing. Collins' services include guy anchor analyses, detailed evaluation report writing, and repair designs for overstressed tower components.

Collins' service offering extends to underwater engineering. This unique capability allows our certified engineer-divers to inspect and evaluate foundations and components located in water, in addition to providing inspection of above water components. This duality enables Collins to provide comprehensive engineering services for communication towers.

COLLINS ENGINEERS INC.

24-Hour Emergency Service 877.346.3234 • www.collinsengr.com