



## PROFESSIONAL CAPABILITIES

### INSPECTION/TESTING/EVALUATION

- Above and Below Water Inspection
- Computer Database Development for Inventory and Maintenance Scheduling
- Routine Inspection
- Fracture Critical and Nondestructive Testing
- Forensic Investigation
- Roadway and Bridge Deck Inspection
- Load Rating Evaluation
- Stream Soundings / Profiling
- Cost Estimates for Repair
- Failure Investigation
- Repair and Rehabilitation Design
- Underwater Inspection to 220 fsw by In-House Professional Engineer-Divers
- Difficult Access and Swift Current Operations
- Underwater Documentation including Photography, Video with Narrative Audio, and Clearwater Photography for Limited Visibility Conditions
- Comprehensive Engineering Reports

Since our founding, Collins' insistence on gaining firsthand knowledge through on-site inspections — both above and below water — has produced unique insights into the needs of the nation's aging infrastructure, leading to the authoring of operations manuals and assisting in the implementation of industry protocol. Continually on the leading edge of standards and methodology, Collins provides engineering ingenuity and solutions to complex problems, and realistic, honest answers.

Bridge maintenance and safety are key issues that local and state governments face daily. Collins understands the consequences of failures in undetected parts of bridge structures: major unforeseen repair costs, inconvenience to the traveling public, or possibly even loss of life. We appreciate the insights gained and the problems that can be avoided simply by having a fully integrated picture of the structure in question.

As a result, Collins provides a full range of bridge management services to owners. We provide hands-on above and underwater bridge inspections, performed by full-time in-house crews of NBIS-certified professional engineers and professional engineer-divers. Upon completion, Collins can provide repair recommendations, as well as design of repairs. From top to bottom and start to finish, Collins is a one-stop shop for an owner's bridge management needs.

# COLLINS ENGINEERS<sup>INC</sup>