



PROFESSIONAL CAPABILITIES

With a long history of pioneering innovative solutions on hydro projects, Collins is composed of individuals with the expertise, commitment and resources to tackle your project. Our engineering services include inspection and testing, both above and below water, complete engineering documentation, analysis, evaluation, and design. The dual capability of inspecting facilities above and below water allows Collins' engineers to complete comprehensive evaluations of aging structures and facilities that are susceptible to scour, erosion, and structural deterioration.

INSPECTION & TESTING

- Professional Engineer-Diver Evaluation
- Remotely Operated Vehicle (ROV) Operation
- Visual / Tactile and Acoustic Inspection
- Nondestructive and Partially Destructive Testing of Concrete, Wood and Steel

ENGINEERING EVALUATION

- Comprehensive Reports
- Structural and Geotechnical Analysis and Design
- Hydraulic Analysis
- Dam Safety Analysis
- Maintenance and Repair Recommendations
- Repair and Rehabilitation Design and Quality Control
- Failure Investigation

SPECIALIZED INSPECTION SERVICES

- Tunnel Penetration by Diver and ROV
- FERC Part 12 Inspection
- State Dam Safety Inspection
- Hydrographic Surveying
- Scour Investigation

PROJECT SPECIFIC SERVICES

- Feasibility Studies and Cost Estimates
- Environmental Impact Statements
- Public Hearings and Permitting
- Hydrology and Hydraulics Design
- Structural and Geotechnical Design
- Plan and Specification Preparation
- Development of State Dam Safety Programs
- Emergency Action Plans

COLLINS ENGINEERS^{INC.}