



PROFESSIONAL CAPABILITIES

Collins' experience in the field of water resources engineering incorporates capabilities from above and below water investigations and hydrographic surveying to hydraulic structure analysis and design. Collins' engineer-divers are experienced at performing inspections in areas of difficult access and swift currents, as well as penetration of tunnels, culverts, and tanks. The dual capability of above and below water inspection allows Collins to complete comprehensive evaluations of aging structures and facilities, which are susceptible to scour, erosion and structural deterioration.

ENGINEERING SERVICES

- Hydrologic and Hydraulic Analysis
- River Modeling
- Stormwater Management Studies
- Groundwater Studies
- Flood Studies / FEMA Studies
- Sediment, Scour, and Erosion Control Studies
- Coastal Engineering Services
- Hydraulic Structure Analysis and Design
- Reservoir, Impoundment Analysis and Design
- NPDES Urban Runoff
- Dam Safety Inspections
- Highway Drainage

DATA COLLECTION & EVALUATION

- Field Investigations
- Above and Below Water Evaluation by Engineer-Divers
- Topographic Surveying
- Hydrographic Surveying
- GIS Data Collection
- Sampling and Testing
- Engineering Report Preparation

TYPICAL FACILITIES

- Dams
- Spillways
- Canals
- Pipelines
- Lakes and Rivers
- Submerged Tunnels
- Intakes and Outfalls
- Locks
- Reservoirs
- Coastal Structures
- Control Structures
- Storm Sewer Systems

COLLINS ENGINEERS^{INC.}