

**Underwater Bridge Inspection Course Development
Nationwide, U.S.
Federal Highway Administration and the National Highway Institute**

Collins was retained by the Federal Highway Administration (FHWA) to develop FHWA guidelines, lesson plans, and curriculum material, and to present this course to state Department of Transportation personnel, and other governmental agency personnel, nationwide. The course addresses the need for underwater bridge inspections. Additionally, it identifies procedures and types of equipment used; types of underwater defects and conditions contributing to rates of deterioration; collection of data; methods to describe underwater conditions; how to perform thorough underwater inspections; and identification of nondestructive testing (NDT) techniques.



This course is being developed using adult learning techniques and is targeted to the training needs of structural engineers, materials engineers, traffic engineers, field inspectors, construction supervisors, and other technical personnel involved in the inspection, maintenance, and repair of the underwater components of bridges.