

**Guidelines for the Installation, Inspection, and Maintenance of Ancillary Highway Structures
Nationwide, U.S.
Federal Highway Administration and the National Highway Institute**

In response to the growing number of problems with excessive vibration and fatigue cracking for cantilevered sign, signal, and light support structures, the Federal Highway Administration (FHWA) selected Collins to develop guidelines, lesson plans, and curriculum material, and to present this course to state Department of Transportation personnel, and other governmental agency personnel, nationwide.

This course provides training in the installation, inspection, and maintenance of ancillary structures, such as structural supports for highway signs, luminaires, and traffic signals. Its goal is to provide agencies with information to aid in establishing and conducting an inspection program in accordance with the FHWA *Guidelines for the Installation, Inspection, Maintenance, and Repair of Structural Supports for Highway Signs, Luminaires, and Traffic Signals*. The course also provides guidance on structure installation, particularly as it relates to anchor rods and base plates, and also on maintenance and repair of commonly noted defects.

This course is intended for structural engineers, material engineers, traffic engineers, field inspectors, construction supervisors, maintenance personnel, and other technical personnel involved in the installation, inspection, maintenance, and repair of ancillary highway structures. This course is not a design course; however, the information should be helpful to those working in the design and specification of ancillary structures.

