

ANSI/ASSP A10.47-2015

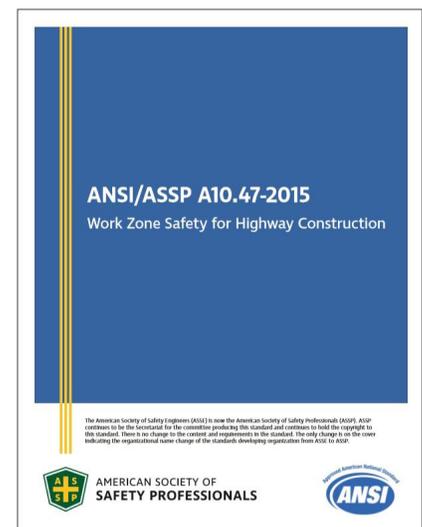
Work Zone Safety for Highway Construction



ANSI/ASSP A10.47, *Work Zone Safety for Highway Construction*, is a voluntary national consensus standard approved by the American National Standards Institute (ANSI). The standard is one of a series of safety standards for construction-related topics. This standard provides work zone safety management guidance for highway construction.

About the Standard

- General scope, purpose, references and definitions
- Traffic control measures for highway construction
- Flagger safety, run-over/back-over prevention and equipment operator safety
- Excavation safety
- Electrical safety, power and powder actuated tool safety
- Fall prevention, protection from health hazards and illumination requirements for night work
- Personal protective equipment
- Paving operations
- Emergency incidents



AMERICAN SOCIETY OF
SAFETY PROFESSIONALS
STANDARDS



Background and Purpose

The purpose of the standard is to establish minimum requirements for the construction and maintenance of public and private highways and roads to achieve the following objectives:

- Prevent employee injuries and illnesses resulting from working in work zones
- Establish safe work practices in highway work zones
- Prevent vehicular crashes in highway work zones

Increased road congestion, more and more vehicle miles traveled, an aging highway infrastructure and other factors have led to widespread work-zone activity on U.S. highways, and in turn, to injury risks and exposures for workers. Although fatalities from motor vehicle crashes in work zones have decreased overall during the last decade, workers engaged in construction, utility work, maintenance or repair activities on highways remain exposed to risk of injury from work area hazards including:

- Movement of construction vehicles and equipment within work zones
- Vehicular struck-by accidents associated with high volume traffic passing workers at high speeds in work zones.
- Overturn, collision or being caught under running equipment
- Low light, low visibility or night work
- Inclement weather

How the Standard was Developed

ANSI requires the secretariat of a standard to revise or reaffirm the standard within 5 - 10 years of publication.

The A10 committee members represent a broad range of experts, industries and organizations from the public, private and not-for-profit sectors.

Using the Standard

The A10.47 is a national consensus safety standard that provides guidance and establishes the minimum standards for employees engaged in construction, utility work and maintenance or repair activities on any area of a highway.

Information applies to construction activities for any size company working on public and private highways or roadways. It applies to daytime, low-light and night-work conditions.

What's included in A10.47-2015?

This standard provides a guide for contractors, safety professionals and workers to develop and implement plans and procedures that improve highway work zone safety. This includes guidance on developing traffic control plans, implementing protective safety measures, improving worker visibility and creating an emergency response plan.

A10.47-2015 also provides a listing of other established national consensus standards that pertain to various aspects of roadway construction.