AMERICAN NATIONAL STANDARD

ANSI/ASSE A10.17-2006
Safe Operating Practices for
Hot Mix Asphalt (HMA) Construction

American National Standard
for Construction and
Demolition Operations

ANSI/ASSE A10.17-2006

AMERICAN SOCIETY OF
SAFETY ENGINEERS

ANSI®
ANSI A10.17 – 2006

American National Standard
Construction and Demolition Operations

Safe Operating Practices for
Hot Mix Asphalt (HMA) Construction

Secretariat

American Society of Safety Engineers
1800 East Oakton Street
Des Plaines, Illinois 60018-2187

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American National Standard

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Foreword

(This Foreword is not a part of American National Standard A10.17-2006.)

This standard is one of a series of safety standards that have been formulated by the Accredited Standards Committee on Safety in Construction and Demolition Operations, A10. It is expected that the standards in the A10 series will find a major application in industry, serving as a guide to contractors, labor, and equipment manufacturers. For the convenience of users, a list of existing and proposed standards in the A10 series for Safety Requirements in Construction and Demolition Operations follows.

A10.1 Planning for Construction Safety and Health (under development)
A10.2 Safety, Health, and Environmental Training (under development)
A10.3 Powder-Actuated Fastening Systems
A10.4 Personnel Hoists and Employee Elevators
A10.5 Material Hoists
A10.6 Demolition Operations
A10.7 Transportation, Storage, Handling, and Use of Commercial Explosives and Blasting Agents
A10.8 Scaffolding
A10.9 Concrete and Masonry Construction
A10.10 Temporary and Portable Space Heating Devices
A10.11 Personnel and Debris Nets
A10.12 Excavation
A10.13 Steel Erection
A10.15 Dredging
A10.16 Tunnels, Shafts, and Caissons
A10.17 Safe Operating Practices for Hot Mix Asphalt (HMA) Construction
A10.18 Temporary Floor Holes, Wall Openings, Stairways, and Other Unprotected Edges
A10.19 Pile Installation and Extraction Operations (under development)
A10.20 Ceramic Tile, Terrazzo, and Marble Work
A10.22 Rope-Guided and Non-Guided Workers' Hoists
A10.23 Back Injury Prevention Programs (under development)
A10.24 Roofing – Safety Requirements for Low-Sloped Roofs
A10.25 Sanitation in Construction (under development)
A10.26 Emergency Procedures for Construction Sites (under development)
A10.27 Hot Mix Asphalt Facilities
A10.28 Work Platforms Suspended from Cranes or Derricks
A10.29 Aerial Lifts in Construction (under development)
A10.30 Construction Workplace Security
A10.31 Digger-Derricks
A10.32 Fall Protection Systems for Construction Industry Users
A10.33 Safety and Health Program Requirements for Multi-Employer Projects
A10.34 Public Protection
A10.35 High Pressure Hydro Blasting (under development)
A10.36 Railroad Construction Safety (under development)
A10.37 Debris Nets
A10.38 Basic Elements of a Program to Provide a Safe and Healthful Work Environment
A10.39 Construction Safety and Health Audit Program
A10.40 Reduction of Musculoskeletal Problems in Construction (under development)
A10.41 Equipment Operator and Supervisor Qualifications and Responsibilities (under development)
A10.42 Rigging Qualifications and Responsibilities in the Construction Industry
A10.43 Confined Spaces in Construction (under development)

A10.44 Lockout/Tagout in Construction (under development)
A10.46 Hearing Loss Prevention (under development)
A10.47 Highway Construction Safety (under development)
A10.48 Communication Tower Erection (under development)

One purpose of these standards is to serve as guides to governmental authorities having jurisdiction over subjects within the scope of the A10 Committee standards. If these standards are adopted for governmental use, the reference of other national codes or standards in individual volumes may be changed to refer to the corresponding regulations.

Revisions: The A10 Committee welcomes proposals for revisions to this standard. Revisions are made to the standard periodically (usually five years from the date of the standard) to incorporate changes that appear necessary or desirable, as demonstrated by experience gained from the application of the standard. Proposals should be as specific as possible, citing the relevant paragraph number(s), the proposed wording, and the reason for the proposal. Pertinent documentation would enable the A10 Committee to process the changes in a more timely manner.

Interpretations: Upon a request in writing to the Secretariat, the A10 Committee will render an interpretation of any requirement of the standard. The request for interpretation should be clear, citing the relevant paragraph number(s) and phrased as a request for a clarification of a specific requirement. Oral interpretations are not provided.

No one but the A10 Committee (through the A10 Secretariat) is authorized to provide any interpretation of this standard.

Approval: Neither the A10 Committee nor American National Standards Institute (ANSI) "approves," "certifies," "rates," or "endorses" any item, construction, proprietary device, or activity.

Appendices: Appendices are included in most standards to provide the user with additional information related to the subject of the standard. Appendices are not part of the approved standard.

Committee Meetings: The A10 Committee meets twice a year. Persons wishing to attend a meeting should contact the Secretariat for information.

Standard Approval: This standard was processed and approved for submittal to ANSI by the American National Standards Committee on Safety in Construction and Demolition Operations, A10. Approval of the standard does not necessarily imply (nor is it required) that all Committee members voted for its approval. At the time this standard was published, the A10 Committee had the following members:

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Contents

AMERICAN NATIONAL STANDARD A10.17
SAFE OPERATING PRACTICES FOR HOT MIX ASPHALT (HMA) CONSTRUCTION

1. GENERAL

1.1 Scope. This standard applies to those operations involving hot mix asphalt (bituminous) mixtures and materials for construction and resurfacing. Safe work practices are included for the protection of workers and the public and are to be considered the vital safety requirements for designers, manufacturers and installers of such equipment and materials.

1.2 Purpose. The purpose of this standard is to provide safety and health guidelines to protect employees and other persons from injury and illness.

1.3 Exceptions. In cases of practical difficulty or undue hardship, the responsible authority may grant exceptions to the literal requirements of this standard or permit the use of other devices or methods, but only when it is clearly evident that personnel and equipment protection is assured.

2. TRAFFIC HAZARDS AND PUBLIC SAFETY

2.1 Vehicular and Pedestrian Traffic. In the paving operations, interference with pedestrian and vehicular traffic shall be avoided wherever possible and shall be kept to a minimum in time and scope in circumstances where it cannot be avoided. When interference results, a specific written traffic control plan and paving pattern, shall be formulated and implemented.

2.1.1 In paving operations where ingress and egress roads for all residences and places of business are temporarily closed along the construction route, such roads shall be temporarily closed or alternate routes and controls established to provide protection from injury and damage to the public and their vehicles. All roads closures shall be coordinated with affected personnel and/or emergency response organizations.

2.1.2 Equipment, material, and vehicles shall be stored or parked so as not to encroach upon an operational traffic lane. Appropriate flashing lights or reflectors or barricades equipped with appropriate lights or reflectors, for warning the public during the hours of darkness or times of reduced visibility shall be placed adjacent to the outer limits of such material, vehicles or equipment stored or parked immediately adjacent to an operating traffic lane.

2.1.3 Temporary roadways and bridges required to accommodate traffic flow diverted from the roadway under construction shall be designed to handle expected traffic loads until the roadway under construction is serviceable. These approaches, travelways, and structures shall be maintained until the roadway under construction is completed. Travelways shall be provided with necessary curbs, barriers, guardrails, and road markings to separate the opposing traffic and provide safe traffic movement.

2.1.4 All footways, gutters, sewers, inlets and portions of other roadway adjoining the roadway under construction shall be free of obstruction and debris.

2.2 Fire Hydrants. Fire hydrants on or adjacent to the roadway under construction shall be accessible to fire apparatus at all times. Where it is necessary to place materials or obstructions within 15 feet (4.6m) of any such hydrant, permission shall be obtained from the fire protection agency involved.

2.3 Railroad Crossing. Arrangements shall be made with the railroad for the construction, protection, maintenance and removal of any railroad grade crossing.