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Protection Update

is the newsletter for the ISEA Partnership for Worker Protection program. It is intended for anyone who specifies, purchases or uses personal protective equipment, and those who regulate it. *Protection Update* is distributed without charge, and also is available on ISEA's website www.safeteequipment.org.

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ISEA
INTERNATIONAL
SAFETY EQUIPMENT
ASSOCIATION

Safety Equipment Companies Strive To Make PPE Accessible at Job Sites

By Bill May
Cintas First Aid & Safety

Used to be that companies delivered safety shoes and boots to construction sites, but that was about it. If you needed hardhats, safety glasses, or any other safety equipment, you had to take the time to go out and find it. But that trend is changing as safety equipment companies work harder to protect workers by making their products more accessible to customers.

Safety glasses, hardhats, fall protection, respirators, earplugs and other personal protective equipment (PPE) go a long way toward eliminating avoidable accidents and occupational illnesses. Appropriate PPE not only saves employees from pain, suffering and life-altering injuries, it also saves your company money, protects your overall productivity levels and safeguards your profits.

Very simply, an effective workplace safety program pays big dividends for every business by reducing costs related to injuries and illnesses. And that means more profits end up on the bottom line. A strong safety record can also have a very positive effect on sales by contributing to a competitive pricing structure.

So if it's so important to provide safety products and PPE, why doesn't every construction company make protective equip-



ment easily accessible to employees at every job site? Many supervisors and managers report difficulty finding sufficient time to handle their primary supervisory duties, let alone sourcing and stocking basic first aid and safety equipment. And for supervisors who oversee workers at remote locations, it's even tougher. Helping construction safety officers meet this challenge are companies that deliver safety products directly to each work site at a competitive price.

Paul J. Kendall is product safety manager at Kenny Construction Company, Wheeling, IL. He's a big fan of having safety equipment delivered directly to his job sites.

"It's convenient and I save a lot of time. I call my Cintas driver when I need something and he gets right back to me. Now he even knows when I am going to be low on supplies, and he just stops by. Every time I see him I remember something else that I need to order."

Companies that deliver to job sites often will provide an initial on-site needs assessment, review a company's injury and OSHA compliance history, inventory its stock of PPE and deliver an extensive selection of personal protective equipment right to the job site, including safety glasses, respirators, dust masks, disposable earplugs and so forth.

Regardless of which van-delivered first aid and safety service company you choose, **5**

NEW PROTECTION FOR ROAD CONSTRUCTORS



M. L. Kishigo Ultra-Cool™ mesh vests

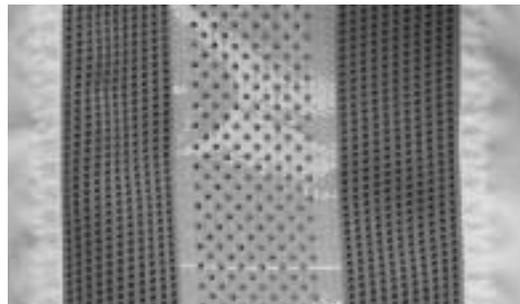
For the Whole Person...

From **M. L. Kishigo** are Ultra-Cool™ mesh vests that, the company says, comply with the ANSI/ISEA 107-1999 Class II standard. Features include lightweight polyester mesh, high-intensity two-inch reflective material and zipper fronts. The vests come in an economy style and a surveyor's model, which has a solid front with multiple pockets. A color catalog is available by calling 800-338-9480.

From **North Safety** is a new selection of traffic safety products, including high-visibility vests, rainwear, barricade tapes, flags and cones. Vests that meet requirements of the ANSI/ISEA 107-1999 standard for high-visibility safety apparel feature Omni-Brite™ reflective tape that reflects light back to viewers at a wide angle, North said. For a full-color brochure on North Traffic Safety Products, call 800-430-4110 or visit northsafety.com.



Reflexite Americas comfort reflective tape



From **Reflexite Americas** are Brilliance™ Vest-lite and Brilliance™ comfort reflective tapes for high-visibility apparel. The company says that because both products are lighter in weight than comparable products, they make garments more comfortable for wearers. Brilliance Vest-Lite tapes are available in fluorescent lime yellow and white. Brilliance Comfort tape is perforated to make it breathable to help combat heat stress. 860-676-7100 or reflexite.com.

From **Safe Reflections** is a new brochure with product sample on Airex™ breathable, retroreflective trim, which is designed to be light and cool, while meeting the ANSI/ISEA 107-1999 standard for worker visibility. 800-773-8199 or safereflections.com.

From **Seton Identification Products** are the online Safety Resource Center and "Design Your Own Safety Sign" program. The Resource Center includes access to online federal regulations and the Federal Register, an MSDS online library, compliance checklists, online training presentations, and prewritten safety plans. Visit setonresource-center.com. Safety specialists can design their own safety signs in seconds online at seton.com. Select the sign options and the sign is instantly designed on screen, without any setup charge.



Safe Reflections Airex™ sample and brochure.



Against Falls...

From **Miller Fall Protection and Bacou-Dalloz** is the new line of Miller HP (high-performance) fall-protection products in bright colors, making them readily visible and easy to inspect. The Miller HP products

Miller HP fall-protection gear



also have Teflon HT finish that resists dirt and grime, improving durability and extending the equipment's performance life. 800-873-5242 or bacou-dalloz.com.

For the Head, Face and Eyes¹



From **Bullard** is the Patriot hardhat. This model 3000 classic cap features American flags with permanent full graphic coverage that will not fade, peel or crack, the company reports. It is available in both six-point pin-lock and ratchet suspensions and comes with a replaceable Sportek[®] wicking brow pad. 800-227-0423 or bullard.com.

From the **H.L. Bouton Company** is the new Flex Sideshield, which allows safety spectacles to be folded normally. This sideshield is available in clear, green and smoke, and blocks 100% of ultraviolet light; it is bendable and absorbs energy from physical impact, according to Bouton. 508-295-3300 or hlbouton.com.

Flex Sideshield safety spectacles from H.L. Bouton



From **Mine Safety Appliances Co. (MSA)**, 800-MSA-2222 or msanet.com:

- A new, interactive CD that streamlines the process of choosing features of customized hardhats. The interactive procedure to "build your own helmet" accesses helmet names, descriptions, styles, colors, suspensions and placement of stripes and standard logos.
- Three new styles in protective eyewear. Arctic Elite[™] eyewear features a soft padded nose bridge and soft-tipped temples, according to MSA. Aurora[™] eyewear offers wrap-around protection and features soft-tip straight-back temples with vertical ratchet and an "easy-fit" adjustable nose bridge with anti-fog lenses that come in clear, gray or amber. Pyrenees[™] eyewear features soft-



MSA Aurora[™] eyewear

tip temples with full side protection and come in a choice of clear, amber or gray anti-fog lenses, or silver-mirrored or indoor/outdoor light gold-mirrored lenses.

- High-temperature Defender[™] faceshield frame for slotted cap-style hardhats. The frame is designed for use with appropriate visors to increase above-the-neck protection. The easy-in, easy-out visor channel allows for quick and easy visor replacement. The frame comes in two versions (one for MSA-brand caps) that latch to the bill of the cap for a tight seal; a front-drip edge offers additional splash protection.



MSA Defender[™] faceshield

For Hearing and Breathing...

From **Hornell** is the Speedglas[®] with Adflo[®] powered air-purifying respirator, which the company says creates a positive atmosphere of filtered air within the helmet that is 25



Speedglas[®] with Adflo[®] from Hornell

¹ ALL LENSES MENTIONED IN PROTECTION UPDATE MEET THE ANSI Z87.1 - 1989 (R1998) STANDARD FOR INDUSTRIAL EYE AND FACE PROTECTION.

NEW PROTECTION continued

Respirator guide from 3M



times cleaner than the air outside the helmet. The design includes a "stackable" filter configuration, an all-in-one design that eliminates external batteries and battery cables, and electronics that provide a nominal minimum airflow at all times, regardless of the battery's charge or particle loading of the filter. 800-628-9218 or hornell.com.

From 3M is a new *Guide to Respirators for Abatement and Mold Remediation*, which includes product and ordering information for respirators, filters and cartridges, including the new 3M Half Facepiece Respirator

7500 Series Ultimate Reusable, Mold Remediation Respirator Kit, and Powered Air-Purifying Respirator Kit. 800-328-1667 or 3M.com/occsafety.

From **Mine Safety Appliances Co. (MSA)**, 800-MSA-2222 or msanet.com:

- Five Affinity Foldable Respirators that add the convenience of a vertical flat-fold design to the fit, comfort and value of the company's Affinity disposable respirator line. MSA says that the respirators satisfy the needs of safety directors who require a precise fit, workers who insist on maximum comfort, and purchasing managers who demand value. Ask for Bulletin 2806-01.



MSA Affinity Foldable Respirator

- An improved comfort-band hearing protector designed to be worn under the chin. The band consists of two soft, easily cleanable ear pods at either end of a durable plastic neckband. The protection exerts minimum pressure against the ears, yet carries a noise reduction rating of 23dB, MSA says. A spare set of pods is included. Ask for Bulletin 0900-38-MC.

- A free Advantage Technical Support CD that gives users of the Advantage 200 LS and 3000 Respirator instant access to product training, care and use information, instruction manuals, fit-testing forms, parts lists, and cartridge information. The CD is formatted in Mexican Spanish and Canadian French, as well as English.

For Hands and Arms...

From **Ergodyne**, 800-225-8238 or ergodyne.com:

- The ProFlex® 817 thermal utility glove and ProFlex® 812 and 815 material handling gloves. The 817 glove strikes a balance between warmth and manual dexterity for maximum protection against injury in jobs like winter construction and vehicle mainte-

A Cool Advance in Head Protection.

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1-888-277-5403
www.MSAnet.com

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nance. The glove has a synthetic palm and fingers with reinforced thumb and fingertips, and is lined throughout with Thinsulate®. The 812 and 815 gloves are suited for tasks such as truck driving and building maintenance. They have a synthetic palm and fingers with reinforced thumb and fingertips.

● ProFlex® models 670 and 675 ambidextrous wrist supports. Both models provide light-to-moderate support for industrial use and are composed of a single layer of durable neoprene which conforms to either wrist for a glove-like fit and comfortable wear, according to the company. They provide warmth for affected areas without muscle restriction. ●

MAKING PPE ACCESSIBLE

from cover

expect a trained service representative to visit each work site on a regular schedule. Once there, he or she should assess risk factors, review your injury history and overall safety needs, inventory existing supplies and restock as needed, always with your approval.

Service representatives should also be able to offer simple, on-the-spot employee training on the use and care of PPE, perform basic fit testing, answer employee questions about safety and PPE and keep your company updated on applicable OSHA requirements and regulations. Many van-delivered service companies offer a full range of safety training classes as well.

Not only does a convenient, van-delivered safety service make sense to save time for site supervisors and managers, it also helps you achieve compliance with OSHA requirements by ensuring that appropriate safety equipment is always available to at-risk workers when needed.

In short, a solid safety program can:

- Prevent fatalities and injuries on and off the job.
- Reduce injury-related costs.
- Increase productivity and boost employee morale.
- Help prevent OSHA fines and citations.
- Generate goodwill between employees and management.
- Help companies remain competitive and increase sales.

Here's a simple comparison to consider: a basic hardhat runs about \$7.50. An average head injury (according to the National Safety Council) costs a company about \$22,000. Which one would you rather pay for? It's not difficult to see that investing in safety is the best use of your resources. ●

ABOUT THE AUTHOR

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Is Your High-visibility Apparel Working For You?

By Bob Koppes, Safe Reflections
and Gary Pearson, 3M Company

When it comes to selecting or designing high-visibility apparel for workers, safety managers have a lot to think about. Is the garment comfortable? Is it durable? Does it portray the right image for my company or organization? And most importantly of all, does it keep my

rifing comfort and style. So lack of comfort should never be an excuse for not wearing high-visibility apparel.

High-visibility apparel that's comfortable comes down to fit, weight, breathability and moisture transmission. When choosing or designing high-visibility apparel that is comfortable, safety managers need to consider all of these factors when examining both the background fabric as well as the reflective material featured on the garment.

When selecting a background fabric for your safety vest, T-shirt or uniform, consider choosing fabrics and materials that are non-restricting, lightweight and do not cause chafing. In addition, manufacturers today offer a variety of background fabrics that provide increased breathability and moisture vapor-transfer capabilities. Fabrics that allow air to flow through the garment and wick moisture away from the skin will keep the wearer more comfortable, especially during warm weather conditions.

If workers are required to wear both a high-visibility shirt and vest, attention to the fabric and reflective material becomes even more important. Layering is important when putting together work wear, so make sure to understand the purpose of each layer and select pieces that, when combined, achieve the desired effect and are the most comfortable.

New technology and designs in reflective material are being introduced to help keep the entire garment more flexible, lightweight and breathable, which makes workers more comfortable and productive. Many of the same attributes that can be found in background materials, such as a mesh weave or a cotton knit, can also be found in the available reflective material. For example, using reflective material in conjunction with background fabrics that incorporate unique patterns allows heat to escape and cooler air to flow in toward the body, while maximizing movement in all areas of the garment.

workers visible? It's important to keep all of these factors in mind when choosing the right high-visibility garment, including safety vests, shirts and uniforms.

Advances in Technology and Design

According to results from the 2002 Road Construction Market Investigation for ISEA, one of the most often cited reasons for not using Personal Protection Equipment (PPE) more regularly is "lack of style/comfort." But new advancements in technology and design are making it easier than ever to comply with industry guidelines without sac-

ANSI/ISEA 107-1999 High-Visibility Safety Apparel Standard

is available from ISEA; visit safetyequipment.org or email cfargo@safetyequipment.org for information.



Workers Are Tough, But Is Their High-visibility Apparel?

Durability is another important factor to consider when selecting the background fabric, as well as the required reflective material. Finding a reflective product that has proven wash durability will make your investment in high-visibility apparel more cost-effective. It's also important to make sure the high-visibility apparel is designed with the job in mind. If the apparel is going to face harsh weather conditions or extreme temperatures, it is important to find a garment that is designed to withstand these conditions. Likewise, if the apparel is to be worn around heavy equipment where clothing can be caught, the garments should fit appropriately and feature breakaway sleeves.

Style – A Matter of Image

After choosing fabrics and reflective materials that are comfortable and durable, style can be a consideration. Today's trend in work-wear is customization — and reflective material can play a major part in that. Some of the latest reflective products can be customized to incorporate company names, logos and graphics. This means organizations that require high-visibility apparel for their workers can use the reflective enhancements to promote their image and increase awareness in a unique and "highly-visible" way.

Style and Comfort Without Sacrificing Functionality

While style and comfort may be important for the workers, safety usually is management's number one concern. ANSI/ISEA 107-1999 is a voluntary standard that offers performance specifications for reflective materials, including minimum amounts, placement, background material, test methods and care labeling. Recent advancements in background fabrics and reflective products have led to garments that meet and often exceed the high-visibility standard, and that are more comfortable at the same time.

Challenge

Now that you've learned about the options available for designing high-visibility apparel that is comfortable, stylish and ANSI

compliant, take a look at the garments your workers wear everyday and ask yourself if they are the best high-visibility garment you can offer them. ●

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ABOUT THE AUTHOR

Dave Roll is vice president of sales and marketing for H. L. Bouton Co., Wareham, MA. The ISEA member is a manufacturer of eyewash systems, safety spectacles and other safety products. Reach Roll at 800-426-1881 or droll@hlbouton.com.



PHOTO COURTESY H.L. BOUTON

Eyewash Comes to the Aid Of the Construction Worker

By Dave Roll
H. L. Bouton Co.

Take a few minutes to look around your house or apartment for potential hazards to your eyes. You store cleaning fluids, paint, paint thinners, gasoline, oil, plus your eyes are regularly exposed to dust and grit. If you look around your construction site, you will find similar hazards and more.

That is why all construction workers should be wearing safety spectacles or goggles. And it is just as important for them to have eyewash readily accessible. Here are a few eyewash tips that apply to construction sites:

Delivery Systems

Eyewash liquid comes in a variety of delivery systems meant to provide adequate flow and

ease of use. Sterile eyewash liquid used to flush the eyes comes packaged in several different bottle sizes, from one-ounce to one-gallon containers. Often, work sites stock the bottles in first aid kits or wall-mountable back boards. Some job sites store bottles of eyewash liquid near the potential hazard or urge workers to carry them. An eyecup may be provided to be used for liquid delivery.

Self-contained units in six- and 16-gallon sizes deliver treated water, plus heated units with protective covers are available.

Eyewash liquid can also be delivered by a plumbed unit. These units are connected to a water supply and can include a shower device as well.

All these delivery systems for eyewash liquid must be "user-friendly" and tested and maintained on a regular basis.

ANSI Z358.1-1998 Emergency Eyewash and Shower Equipment Standard

is available from ISEA; visit safetysystem.org or email cfargo@safetysystem.org for information.

Orlando Conference Will Enhance Work Zone Safety

If you are involved in roadway construction, plan to be in Orlando, FL, December 3-7 for the 2002 Roadway Work Zone Safety Conference and Exhibition. The conference will bring together government leaders, contractors, labor representatives, engineers, manufacturers and trade associations to address safety on both sides of the barricades.

The conference organizer is the American Road and Transportation Builders Association – Transportation Development Foundation, in cooperation with the Transportation Institute and National Work Zone Safety Information Clearinghouse. Sponsors are the Laborers Health and Safety Fund of North America, the U.S. Occupational Safety and Health Administration, and the U.S. Federal Highway Administration.

There will be several presentations focusing on personal protective equipment, as well as a unique "Retroreflective Room," where visitors will see first hand the latest retroreflective technologies for safety clothing and equipment. ISEA is an event partner and will be exhibiting and presenting at the conference. For more information, visit wzsafety.tamu.edu. ●

Understand the Standard

The eyewash standard is ANSI Z358.1-1998. This standard requires 15 minutes of flow from a unit no more than 10 seconds away from a potential hazard. The initial flushing of the eyes is critical in saving the victim's eyesight.

The standard instructs workers to use a personal eyewash liquid (any delivery system with less than 15 minutes of flow), then use a system for a minimum of 15 minutes, then seek medical attention.

No eyewash delivery system should take the place of qualified medical attention. Emergency eyewash units are not substitutes for proper primary protective devices. Workers should wear personal protective equipment as needed including eye and face protection.

Self-contained and plumbed units must meet specific requirements of the ANSI standard. For instance, the unit must have room to allow both eyelids to be held open and must deliver water flow to both eyes simultaneously. The nozzles of the units should be no less than 33 inches or more than 45 inches from the floor and six inches minimum from the wall.

In addition to being located no more than 10 seconds from the potential hazard, the emergency eyewash unit must be on the same level as the potential hazard and the path to the unit must be free of obstructions. Eyewash stations also should be highly visible and well lighted. It's important that the fluid temperature is tepid for an effective flush and comfort.

Assess the Construction Site

Employers must do a safety assessment of their work site to determine hazardous areas and must take corrective actions. To aid the employer, several eyewash manufacturers provide a "survey" form that helps to identify potential hazards and suggested eyewash station solutions.

While the manufacturer can provide survey forms, suggest eyewash stations and provide literature, the ultimate responsibility of selecting the proper safety equipment lies with the employer. ●

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PHOTO COURTESY MILLER/BACOU-DALLOZ

ABOUT THE AUTHOR

Edward J. Bickrest is the brand manager of Miller Fall Protection. Miller Fall Protection is a unit of ISEA member Bacou-Dalloz, with its U.S. headquarters in Smithfield, RI. Miller has been a leader in the design and manufacture of fall protection equipment for more than half a century. Reach Bickrest at 800-343-3411 or ebickrest@bacou-dalloz.com.

By Ed Bickrest

Miller Fall Protection, Bacou-Dalloz

Dirt, grease, grime and even concrete dust (composed of refined glass particles) unavoidably adhere to harness and lanyard webbing when fall protection is used in field applications such as construction and painting. When these and other gritty, airborne particles become imbedded in webbing, they methodically cut into fabric fibers, fraying webbing from the inside out. Once frayed, the webbing loses its strength and the product must be removed from service.

Similarly, a variety of liquids from water to oil can easily be spilled or splashed onto fall-protection webbing compromising its integrity. However, some fall protection manufacturers now are applying a finish to webbing that protects the fibers with an invisible shield that repels water/oil, grease, dirt and airborne particles without changing the breathability, feel or appearance of the webbing.

Duane Seib, co-owner of a construction and restoration firm in Erie, PA, believes that a protective finish on the fall-protection webbing offers distinct advantages in product performance, as well as cost savings.

"We perform a lot of sand-blasting on building sites," he said. "Where we're working, airborne particles consist of more than dirt — it could be lead paint or something

unknown, but we know if it gets into the harness fibers it's doing damage."

Seib explained that environmental conditions often affect the safety of fall protection gear. "In some environments, webbing is exposed to particle dust that settles into the fibers," he said. "We may not see the damage, but we know it's there. If a finish can keep the dust out of the fibers and keep the equipment in service longer, it saves us replacement costs."

As an aesthetic benefit, the invisible protective coating permits webbing to retain a clean and new appearance for an extended period of time — another advantage, according to Seib. "If you have four harnesses hanging in a tool crib, the clean one is chosen first," he said. "If they look new, they look safer."

He added that a clean and neat appearance reflects on a company's image. "We don't work in clean environments, but our clients expect us to drive to a site in a clean truck and wear clean clothes, so maintaining clean fall protection gear is just part of the overall image," he said.

A stain repellent finish also represents a financial benefit in that it extends the life of webbing — reducing the cost of ownership by as much as 25 percent. This higher-performance webbing improves durability, reduces overall costs to customers and provides superior worker safety.

Take 'Protection Update' Quiz To Win Worker Safety Communications Kit

Here's your chance to win a CD version of ISEA's award-winning "Making the Case for Safety Equipment" kit of communications tools to help construction safety officers equip workers with the right personal protective equipment (PPE) to prevent injuries and save lives.

Visit the "Partnership for Worker Protection" section of ISEA's website — safetyequipment.org — complete the "Protection Update Quiz," and fax it back to ISEA. If you answer all 10 questions right, you will win a CD version of the "Making the Case for Safety Equipment" toolkit. Here's a hint: All answers may be found in past issues of *Protection Update* newsletter.

The comprehensive kit explains PPE's role in workplace safety; outlines steps an organization should take to make PPE part of its safety program; provides contact points at a host of private and public organizations involved with construction worker safety; and gives guidance on undertaking a job-site audit and equipping workers with proper PPE for tasks common to heavy construction.

It also provides information to make the business case for PPE, and includes a powerful formula to calculate the damage a seemingly minor workplace injury will do to a company's

Protection Update Seeks Stories About Life- and Cost-saving Programs

Protection Update seeks story ideas from construction industry readers giving concrete (pardon the pun) examples about how their safety programs incorporating personal protective equipment have prevented injuries, saved lives and saved their companies' money. If you have a story to tell, contact Editor Joe Walker at 703-525-1695 or jwalker@safetyequipment.org. If you send an email, please provide your telephone number. *Protection Update* will write stories for future newsletter issues based upon your experiences.

bottom line. The full-color kit also comes in a binder.

More information about the toolkit and an order form also may be found on the "Partnership for Worker Protection" website. ●

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Your Fall Protection Outfitter

MAKING CONSTRUCTION SAFER AROUND THE NATION

While not directly involving construction, the story of Perdue Farms and the U.S. Occupational Safety and Health Administration (OSHA) has relevance in any workplace where personal protective equipment (PPE) is needed.

Perdue and OSHA recently settled a case under which the **time Perdue employees spend donning and doffing personal protective equipment (PPE) will be included as part of the workday.** Prior to the settlement, Perdue workers donned PPE before they clocked in for the day and doffed after they clocked out because the company did not consider those activities to be part of the workday.

- OSHA will issue a **final rule December 11 for signs, signals and barricades** used to reduce fatalities and injuries at roadway worksites. The rule requires compliance with either the 1993 or Millennium Edition version of Part VI of the Federal Highway Administration's (FHWA's) Manual of Uniform Traffic Control Devices (MUTCD). Specific changes include requirements for retro-reflective and illuminated devices at intermediate and long-term stationary temporary traffic control zones; warning devices for mobile operations at speeds of 20 mph; temporary traffic control devices with traffic barriers that are immediately adjacent to an open lane; and temporary traffic barriers separating opposing traffic on a two-way roadway. The standard was published September 12 in the *Federal Register*. Contact ISEA's Dan Glucksman, dglucksman@safetysafetyequipment.org, for more information.

- Meanwhile, **FHWA**, which published the Millennium edition only two years ago, **is considering revising the MUTCD again.** ISEA recently proposed that FHWA add to the "Guidance" portion of the document a statement that "workers exposed to the risks of moving roadway traffic or construction equipment should wear apparel meeting the requirements of the ANSI/ISEA 107-1999 Standard for High-Visibility Safety Apparel..."

- The American Society of Safety Engineers (ASSE) has a new **Executive Program in Safety Management** that is designed to help experienced safety professionals maximize their safety program performance. A program seminar will be held Jan. 27 to Feb. 3, 2003, in Orlando, FL. Call ASSE Customer Service at 847-699-2929 for more information.

- **OSHA has established two national**

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partnerships to reduce the number of injuries, illnesses and fatalities at construction workplaces **and has appointed five new members to its Advisory Committee on Construction Safety and Health (ACCSH)**. New OSHA partners include the Independent Electrical Contractors and the Construction Management Association of America. The five new ACCSH members are Frank Migliaccio, executive director of safety, International Association of Bridge, Structural and Ornamental Iron Workers; Joseph L. Durst, director, health and safety, United Brotherhood of Carpenters Training Center; David M. Bush, CEO, Adena Corp.; Mike Sotelo, vice president of W.G. Clark Construction Co.; and Greg Strudwick, president, Strudwick & Associates. The 15-member ACCSH advises the OSHA assistant secretary of Labor for Occupational Safety and Health on standards, policies and practices related to the protection of construction workers from worksite hazards.

- The **Associated General Contractors (AGC) of America has received a \$299,900 grant from OSHA to develop and conduct training on OSHA's steel erection standard** for contractors and their employees nationwide. AGC also will distribute educational pamphlets and CDs that contain presentation content, OSHA regulations and interpretations, and OSHA publications for steel erection.

- **ISEA's "Partnership for Worker Protection" program** to raise awareness and use of PPE in the heavy construction industry and thereby reduce worker injuries and deaths, **has won two national awards** — the Construction Writers Association's 2002 Marketing Communications Award and the American Road and Transportation Builders Association's 2002 Work Zone Safety Award. *Protection Update* newsletter is one component of the "Partnership" program.

- OSHA has announced its **first step in updating its construction safety standards for cranes and derricks** through the Negotiated Rulemaking Process. The agency expects that a range of issues will be considered, including work-zone control, crane operations near power lines, qualifi-

cations of individuals who operate, maintain, repair and assemble cranes and derricks, and requirements for fail-safe operation, warnings and other safety-related devices and technologies. The existing rule ▶15



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New York Contractor Indicted On Manslaughter Charges

The president of a New York company has been indicted on five counts of manslaughter and four counts of assault in the deaths of five workers and injuries sustained by four others who fell when scaffolding collapsed at a Manhattan construction project in October 2001.

The indictment against Phil Minucci, president of Tri-State Scaffolding & Equipment Supplies, Inc., was unsealed by Robert M. Morgenthau, Manhattan's district attorney. Tri-State had been hired by the general contractor to build scaffolding on a building that was undergoing renovation. Among other failures, the company neglected to provide the workers with personal protective

equipment, the indictment alleges. The U.S. Occupational Safety and Health Administration had issued fines against Tri-State and two other contractors last April (See *Protection Update* Spring 2002).

Commenting on the indictment, U.S. Labor Secretary Elaine Chao said "This...is a strong message to employers and employees alike that violations of worker protection laws will not be tolerated. The deaths and injuries suffered by the workers in last October's incident were a preventable tragedy and a stark reminder that there are still dangerous workplaces in this country, including ones where Hispanic and other immigrant workers are employed. We are determined to take whatever steps are necessary to ensure that safety and health protections for all workers are vigorously enforced." ●

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MAKING CONSTRUCTION SAFER

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(29 CFR 1926.550) dates to 1971.

● The American Society of Safety Engineers (ASSE) has published an **updated American National Standard A1264.1-1995 (R-2002) Safety Requirements for Workplace Floor and Wall Openings, Stairs and Railing Systems**. The standard provides guidance for safety professionals in helping reduce workplace falls from ladders, stairs and floor and wall openings. 847-699-2929 or www.asse.org. ●

OSHA's \$100,000 Club for Construction-related Safety Violations

- The U.S. Occupational Safety and Health Administration (OSHA) has proposed penalties of \$100,000 or more for the following recent failures to protect workers from potential hazards, including many that could be avoided or mitigated by safety equipment:
 - Eastern Bridge, LLC, Claremont, NH, \$350,000 for a variety of serious and repeat violations involving use of hardhats, fall protection, energy control, respirators, machine guarding, noise monitoring and eyewashes in a structural steel fabricating operation.
 - New York Stucco, Inc., Staten Island, NY, \$292,500 for numerous and repeated safety violations involving hardhats, fall protection, scaffolding and training of scaffold workers at two construction sites, one in New Jersey and one in New York.
 - Zenone, Inc., Franklin, MA, \$248,020 for willful and repeated failure to protect workers against potentially deadly cave-ins at three sewer line excavations in Boston.
 - Meridian Contracting Inc., Corpus Christi, TX, \$167,775 for alleged failure to protect employees from potential asbestos exposure at a work site at Corpus Christi Naval Air Station.
 - F & J Incorporated and Baltazar Contractors, both of Ludlow, MA, \$110,000 for repeated failure to protect employees against cave-in hazards at Palmer and Milford, MA, work sites.
 - L.E. Myers Co., Rolling Meadows, IL, \$105,000 for failure to ensure that power lines were properly grounded, leading to the electrocution death of an employee at a Tennessee Valley Authority substation. The company also hired a vice president of safety and health. ●

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Editor's Note: *Protection Update* welcomes contributions from readers for our regular Safety Equipment Works for You feature. Email your examples of where PPE has saved workers' lives or prevented injuries to Editor Joe Walker, jwalker@safetysafetyequipment.org, or mail them to the Editor, Protection Update, International Safety Equipment Association, 1901 N. Moore Street, Suite 808, Arlington, VA 22209. Photographs are welcome.

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Contact Joe Walker,
editor, at jwalker@safetysafetyequipment.org
for further information.



Using Their Heads Prevents Losing Them

A worker was using a pry bar to remove a row of refractory brick from inside a cement kiln when he lost his footing, causing him to tumble into the path of a 20-pound brick falling from 15 feet above. The brick glanced off the front of the worker's hardhat, which saved him from serious injury or death. Hardhat by Bullard, bullard.com.



Damaged brim reflects impact from falling brick

Paul was wearing his full-brim hardhat when he fell into a plumbing trench with no safety railing and valves protruding from the sides. As he fell, he could hear his helmet scraping the trench wall. The day after the accident, Paul wrote: "First of all, I want to say a big thank you. I am a sore, but happy camper, and my head is in one piece." Omega II hardhat by ERB Industries, e-erb.com.



Unlike Cat, Falling Worker Needs Protection to 'Land on Feet'

Jeff was working on a leading edge concrete deck 35 feet above ground when he lost his balance and fell. His full-body harness and self-retracting lifeline arrested the fall, preventing injury and eliminating the possibility of catastrophe. Jeff insisted on returning to full duty the next day. Duraflex® full-body harness and MightyLite self-retracting lifeline by Miller® Fall Protection, bacou-dalloz.com.



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