



S.M.A.R.T. News

Safety Materials and Research Technology News from Transpo Industries, Inc.

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Protecting a Propane Tank

Transpo recently provided Blast-Safe™ jet-blast barrier fence for a unique application for the Bureau of Land Management at the Boise, Idaho airport.

This project required the contractor, Sloan Security Fencing, to move a 1,000 gallon propane tank to a location that was adjacent to an aircraft taxi area.

To protect the propane tank from any aircraft blast, Sloan Security Fencing installed Blast-Safe™ jet-blast fencing, in a U-shaped configuration that was 8' high.

A short distance away from the new installation, is a 20-year-old run of Blast-Safe™ near the runway at Boise Airport. When the new project required jet-blast protection, the BLM engineers knew what material was needed, and Blast-Safe™ was specified.

Blast-Safe™ offers protection for airport assets in typical heights of 8 to 14 feet. A key component of the system is a unique Double-Reverse Corrugated (DRC) steel fabric installed with galvanized steel W-Beam posts. The "open" structure of the DRC allows jet-blast air to be diffused safely, while preventing any penetration of dirt or debris. Due to its narrow profile Blast-Safe™ is ideal for areas where space is limited.

For more information, please visit the company website: www.transpo.com/blast-safe.htm

Please visit our website
www.transpo.com

40 Years of Transportation Safety

Transpo Industries, Inc. is celebrating 40 years of manufacturing and developing safety products for the transportation industry.

Our products have come a long way since 1968, when we first developed an energy-absorbing bumper for over 4,000 New York City taxicabs. Across the U.S., states are using Break-Safe® and Pole-Safe® omni-directional breakaway systems for sign and light pole supports. Blast-Safe™ jet-blast fencing is used across the United States and internationally at airports for safety and security measures.

Transpo was one of the pioneers in the development and use of polymer concrete materials for rapid highway and bridge repair. The Castek division manufactures a variety of precast products for bridges, tunnels and rails: including BODAN®, a highway/railroad safety crossing system and Visi-Barrier™ panels for roads, tunnels and bridges. Step-Safe® ADA compliant detectable warning tile can be found on train platforms and street-corner crosswalks from Canada to Florida. The Distributor Division supplies permanent and construction zone impact attenuators, truck-mounted attenuators and sand barrels to firms in the Northeastern part of the U.S. There is even a product, carefully engineered to keep roads and bridges Freeze-Free™ from snow and icy conditions.

Transpo Industries received ISO 9001 certification for the design, manufacture and supply of transportation construction materials and safety products in May 2001. The Castek division received ISO 9002 certification in September of the same year.

Team Transpo knows how to solve customer's problems when it comes to challenges in the transportation industry. For more information, visit our company website at www.transpo.com or contact us at info@transpo.com for more information on our products and services.



An early Transpo product: a water-filled bumper.



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Break-Safe® Marks Historical Site

A state historical marker commemorating the Orinoco Furniture Company was dedicated at the company's former location, 1720 17th Street, Columbus, Indiana in April of 2007. The ceremony marked Orinoco's part in Indiana's furniture industry, an industry that ranked as the fourth largest in the nation back in 1919.

The Break-Safe® omni-directional base of the historical marker is manufactured by Transpo Industries, Inc. of New Rochelle NY. This breakaway support system for sign posts has been used on tens of thousands of sign posts for over 20 years in the U.S, Canada and other countries throughout the world.

Historical markers commemorate significant Indiana individuals, places, and events, and they help communities throughout Indiana promote, preserve, and present their history for the education and enjoyment of residents and tourists of all ages. For more than 80 years, the Indiana Historical Bureau, an agency of the State of Indiana, has been marking Indiana history. Since 1947, the marker format has been the large roadside marker, which has a dark blue background with gold lettering and the outline of the state of Indiana at the top. There are approximately 500 of these markers across the state.

Other cities, like Atlanta GA, have used Break-Safe® bases on wayfinding signs designed to direct drivers and pedestrians to significant destinations within the city.



New Technology at Boise Idaho Railroad Crossing



LED Warning Lights built-in to the edge beams at this railroad crossing

State-of-the-art lights at a railroad crossing on Milwaukee Street in Boise improves the safety of motorists and increases railroad efficiency for the Idaho Transportation Department and Ada County Highway District. The first crossing of its kind in Idaho, there are five similar crossings in Nebraska: a double in Stromsburg, two in Shelby, one in Norfolk and one in Freemont.

LED flashing red lights, built into the edge beams, are circular in design. They are located on the north and south approaches of the Idaho Northern Pacific Railroad's track, near Franklin Road. Activated in October 2007, the lights are designed to warn drivers of approaching trains and to keep cars from stopping on the track.

"We're hoping to change driver behavior at that crossing," said Joe Peagler, Idaho Transportation Department rail-highway safety coordinator. "It's a very busy intersection and the trains slow down to five miles per hour because people stop on the tracks."

Peagler also stated that an average of two trains and 30,000 cars use the crossing each day. While trains are normally allowed to travel at twenty-five miles per hour, they have to reduce speed because of the many cars that sometimes block the crossing. Since 1991, there have been four collisions at the crossing when motorists failed to stop. Two of those collisions involved injuries. Peagler reported that there are hundreds of near misses annually.

Overhead signal lights will remain on the site, because crossing gates on a 110 ft. wide street were deemed too impractical. The Boise crossing will be monitored by FHWA both before and after to record driver reaction to the warning lights.

Idaho Northern installed the BODAN® crossing panel system with technical help from Transpo Industries Inc. This "new" technology has the potential to solve many of the problems the industry is experiencing with failed crossing surfaces.