

# Traffic Control Measures to Increase Safety at Highway - Rail Grade Crossings

***There were 1,976 reported railroad crossing collisions in 2012, 273 were fatalities across the United States***

## November 2013 - 'Dynamic Envelope' Case Study

- Before installation, over an 81 hour time frame, 201 vehicles stopped on or near the tracks



- After installation, there was a 39% reduction of motorists stopping on the tracks over same time frame
- Descending violations were reduced by over 50% after installation



***“The results of this study provide initial evidence that dynamic pavement markings with signage can produce an increase in safe stopping behaviors”***  
– Federal Railroad Administration

## Products for Pavement Marking and Grade Crossing

### Color - Safe®

#### Durable Color Pavement Markings

Color-Safe® is the most cost effective, high definition color pavement marking material on the market today. This MMA material is your solution to long lasting pavement marking requirements. It is capable of full cure in a wide range of temperatures down to 40°F and works on both concrete and asphalt surfaces.

### Bodan®

#### Highway - Rail Grade Crossing Surface

Bodan® is a unique precast reinforced polymer concrete crossing system used for highway/rail crossings. Unlike other crossings, Bodan® does not rely on railroad ties for attachment or support. The modular design allows for easy removal to perform routine track inspection and maintenance. Since Bodan® uses a bridge design concept, the vehicle axle loads are transferred directly to the rails. Panel tests show they are capable of withstanding loads in excess of 44,000 pounds. High-friction granular surfacing material provides a skid-resistant surface designed to provide added safety in wet weather conditions.

Need More Information?

**WWW.TRANSPO.COM**

Contact the experts at Transpo to find out more about the various products we offer. If you need advice on how to install the product, the professionals at Transpo will guide you through the process. Project specific questions? We can assist you in creating a cost-effective, tailored solution for your project.

**Contact us:**

Transpo Industries, Inc.  
20 Jones Street  
New Rochelle, NY 10801

**Phone:** 914.636.1000

**Toll Free:** 800.321.7870

**Fax:** 914.636.1282

**Email:** [info@transpo.com](mailto:info@transpo.com)

