



NATIONAL SIGN AND SIGNAL

DADDS Rail Crossing Safety System



DADDS' rail grade crossing safety system is a new-to-the-world solution to improving safety at rail grade crossings. The systems combine state-of-the-art retractable delineators, bollards, LED warning signs and intelligent monitoring equipment to effectively detect, alert, deter, deny and secure rail crossings from vehicle traffic during train passes. The innovative system deploys negative resistance delineators (Model 100) or positive resistance barriers (Model 400) at grade crossings to prevent train-car collisions and save lives. The base DADDS system can also control and report information on up to 20 other traffic control devices with unlimited expansion capabilities and/or interface with multiple grade crossing status systems. Communications of real time information to Automatic Train Control Systems is available through the proprietary controller communications module system. This system meets all FRA guidelines for Class 7 rail grade crossing operations and creates the safest operating environment for trains and motorists.



Notable features:

- Standard DADDS rail grade crossing safety system protects a two-lane rail crossing and includes:
 - Modularly-designed delineators and barriers designed for “plug & play” installation, maintenance and repair
 - 24-volt power system that supports solar power use
 - K12-rated bollards with Parker Hannifin hydraulics, heated top plates and a internal water evacuation system
 - Intelli-Monitor intelligent control and monitoring software that provides users with access to real-time system health and diagnostic data
- Low-cost installation offered through turnkey product shipment and optional installation supervision
- Optional monitoring features provide users with additional information:
 - Tamper status – barriers and controls
 - CCTV (video transmission from barriers)
 - Breach status
- Equipment manufactured and assembled in the USA by National Sign and Signal, a 77-year-old traffic sign device manufacturing company



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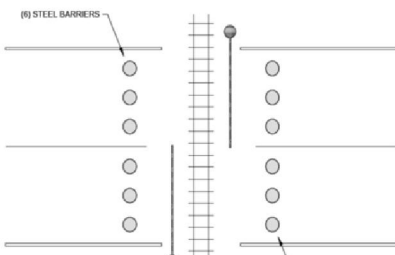
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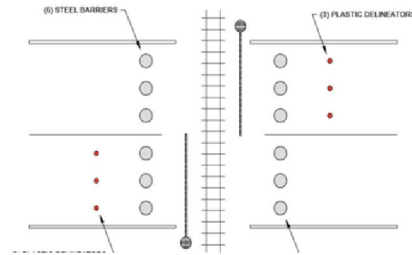


Applications:

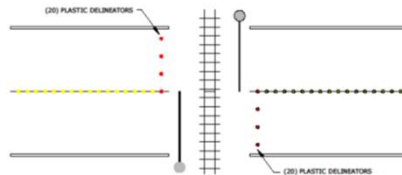
APPLICATION DESIGN
PHYSICAL RESISTANCE (PR)
(STEEL BARRIERS)



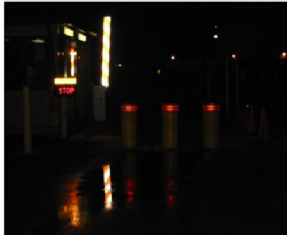
APPLICATION DESIGN
VISUAL/PHYSICAL RESISTANCE (V/PR)
(PLASTIC DELINEATORS AND STEEL BARRIERS)



APPLICATION DESIGN
VISUAL RESISTANCE (VR)
(PLASTIC DELINEATORS)



IPS Installation
(Shown at Night)



Additional Features:

- Built-in back-up power eliminates system downtime during power outages
- Intelligent barriers report health status to Intelli-Monitor controller and communicate to ITCS or other
- 24/7 monitoring provides customers with real-time system function and diagnostics of all perimeter or grade crossing safety and security products through a direct connection, or wirelessly via a high-speed Ethernet radio, cellular or satellite signals
- Monitoring system uses industry standard internet-based protocols for communications over public or private networks
- Intelli-Monitor can be seamlessly integrated with new or existing safety and security equipment, traffic signs and loop detectors, and motorized gates. Custom solutions can also be designed
- Monitoring software supports and runs on Microsoft Windows



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