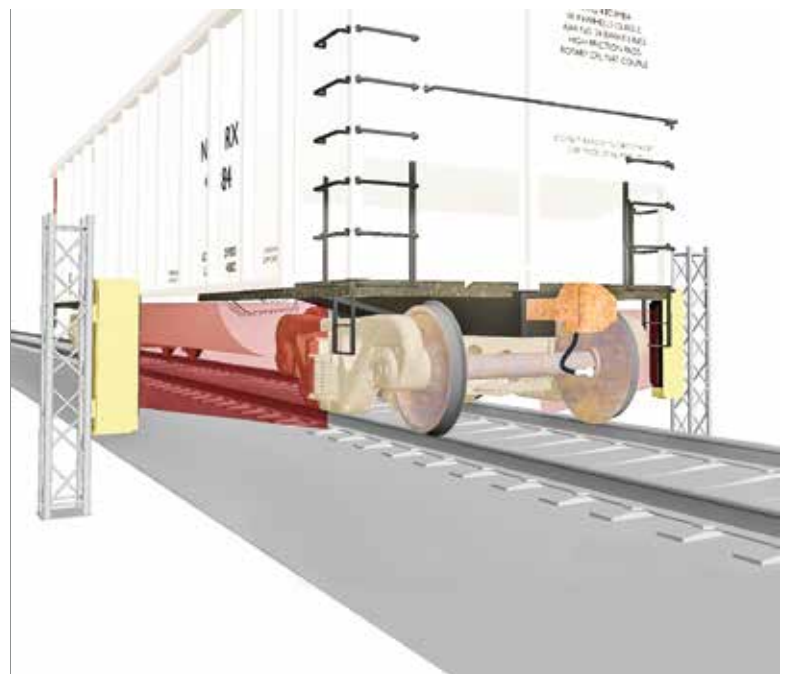




TruckView is a wayside truck (bogie) inspection system designed to operate on passing trains at normal track speeds. TruckView is a vision based system, which uses a high speed and high definition imaging system to provide high resolution images of every truck for inspection and measurement. Many truck related defects can cause serious short term and long terms problems and possible derailments. For a reliable and dependable inspection, every truck is viewed from two angles, top and bottom.

TruckView is designed to inspect many features of bogies including fasteners, side frame condition, bearing and its related components, friction wedge, springs, and many more. For example, an alarm is generated for excessive wedge rise. Another example





is that the system inspects the spring condition to find missing and broken springs as well as its compression to detect imbalanced loads. This is used to compare the spring compression on two sides of the truck and evaluate the load balance of the truck and the car.

### ➔ Measurements

- Fasteners
- Spring Inspection to Detect Broken or Missing Springs
- Heavy Load Imbalance
- Bearing Cap and Cap Bolts
- Side Frame Mismatch
- Bearing Adapter
- Bearing Adapter Wear Plate
- Bearing Keeps
- Sand Hose Position and Activators
- Wedge Detection and Height Measurement
- Individual and Average Wedge Rise Measurement
- Hopper Door
- Earth Straps
- R-Clips
- VTA Valves
- Sliding Wheel Detection (*Optional*)
- Truck Type Identification (*Optional*)

### ➔ Features

- Speeds up to 60mph (100 km/h)
- Operating Temperature: -40°C to 55°C
- Automatic Alarm Generation
- Installed on Trackside Installed Towers
- No Track Structure Modification
- Easy Installation & Maintenance

### ➔ Software Features

- Monitoring/Control Software
- System Management Software
- Digital Image Acquisition/Processing
- Calibration Software
- Web-based Database/Data Search Software
- Database Interface Software
- Automated Reporting Software
- AEI (AVI) Integration

