

## **Machine Controller – Highway Permissible Vehicle**

### **Course Aims**

The aim of this course is to provide delegates with the skills and underpinning knowledge required to undertake Machine Controller Highway Permissible Vehicle duties.

### **Primary Objectives**

At the end of the training the delegate will be able to:

- Describe how the Highway Permissible Vehicle is designed to function under normal operating conditions
- What equipment calibration certificates and checks are required to comply with the relevant rules and regulations
- How each of the items listed below will affect the protection arrangement, the way the work is completed and how to confirm that the machine is suitable;
  - Lines that remain open to traffic
  - Signal structures and equipment
  - Gradient
  - Cant
  - Bridges
  - Platforms
  - Overhead line & Power lines
  - Third & Fourth rail electrified lines
  - Tunnels
  - Level crossings
- What preparatory checks need to be completed on the machine including;
  - Pre-start checks/maintenance are complete/documented
  - Machine Controller checklist is completed
  - Brakes are operational and fit for purpose
  - Emergency protection equipment is available
- Briefly describe the main functions of all relevant controls available to the Highway Permissible Vehicle Driver/Operator, especially those which may also be used by the Machine Controller in an emergency
- Avoid the Highway Permissible Vehicle being placed in an un-braked condition
- Demonstrate their ability to read a work plan and communicate its content effectively
- Control the movement of the Highway Permissible Vehicle taking into account;
  - Status of the infrastructure – condition of the track, position and type of points, obstructions caused by infrastructure equipment/structures and/or other work, how to establish the extent of the movement
  - Where the movements are – towing, propelling, what information needs to be given to the Driver/Operator and how to confirm the Driver/Operator understands the extent of the movement
  - Whilst authorising a movement of the Highway Permissible Vehicle the delegate should be able to explain how they would take account of – worksites and people working in the immediate area, other machines working adjacent to the machine being operated, obstruction caused by infrastructure/structures and/or other work, level crossings, other lines open to traffic, passengers on platforms

### **Duration**

Initial - 1 Day, 4 Delegates Max

Re-cert – Assessment

### **Pre-Requisites**

#### **Delegates**

- Must be a minimum age of 18
- Must hold a valid Sentinel Track Safety endorsed with PTS
- Must meet the medical requirements of Network Rail Standard NR/L2/OHS/00124 Medical Fitness Level 1
- Must meet the requirements of Network Rail Standard NR/L1/OHSD/051 (Drugs & Alcohol)
- Must hold current and valid OTP Core Competence

### **Post-Training Requirements**

Upon successful completion of the course the delegate shall be awarded full competence followed by a period of workplace support.

Primary sponsors shall make suitable arrangements to provide additional workplace support in line with their own Competence Management System until such a time the primary sponsor identifies that it is no longer a requirement. Periods of workplace support should be recorded, documented and retained for audit purposes.

**Should you have any questions/enquiries regarding this course, please fill out the form at the bottom of the Training page on the [Stobart Rail & Civils website](#) and will we endeavour to respond to you as soon as we can.**