Temporary Highway Products
Guardian Goalposts

Applications: Highway Maintenance, Construction Sites, Rail

The NAL Guardian Goalpost is a lightweight GRP (non-conductive) telescopic red and white post which conforms in full to the “GS6 avoidance of danger from overhead electric power lines”. The system is easily transported to and around site. Assembly to full carriageway clearance height can be achieved in minutes by one person. The system is supplied with an option of two base types, either galvanised steel or concrete retention socket base. Bunting, solid cross bar or cantilever arm options are available with the system. On completion of works the product can be removed from site and reused or stored easily.

This system offers many cost and environmental advantages over the traditional pole in barrel method.

Advantages

- Fast and easy installation by one person
- Lightweight and extremely transportable
- Full height clearance over carriageway
- Non-conductive
- Highly visible red and white posts
- Completely reusable
- Small storage footprint
- Various base options to suit site conditions
Figure 1  Configuration for roads (longitudinal view, not to scale)

Guardian Goalpost  Conductor Wires  Guardian Goalpost

SAFETY CONTROL ZONE

12m

Figure 2  Configuration for roads (transverse view, not to scale)

Conductor Wires

0.59m allowance for catenary sag

5.41m minimum clearance

Catenary Sag

Bunting option

pole height = 6m

Cantilever Arm option

Solid Telescopic Cross Bar option

Cantilever Arm option

6.7 metres

Cantilever Arm option

Solid Telescopic Cross Bar option

Avoidance of danger from overhead electric power lines clause 24 Traffic Signs Manual, Chapter 8, Traffic Safety Measures and Signs for Road Works and Temporary Situations Part 1:2006, clause D3.2.22 states that the minimum headroom at temporary structures should be 5.41m.