

Design Safety - Good Practice

Remove trip/fall hazard from improved weighbridge installation

The problem/challenge

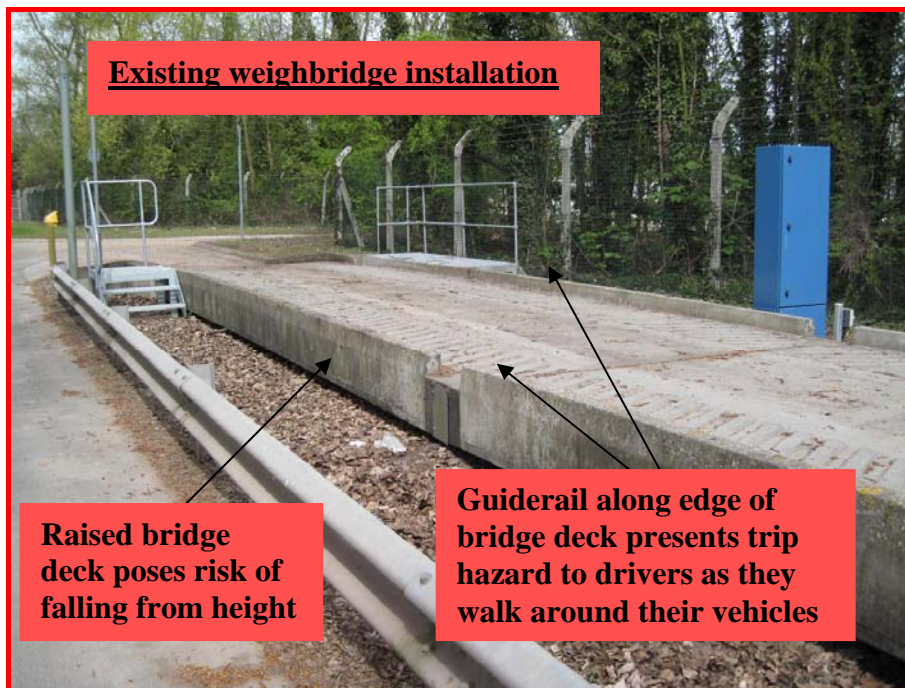
A new access road has been built at Rushmoor STW to allow construction of new ASP lanes, and a weighbridge therefore needs to be installed in a different location.

The risks

The guiderail along the edge of the existing weighbridge poses a trip hazard to drivers as they walk around their vehicle and the raised bridge deck presents a risk of falling from height. Lowering the existing bridge deck so that it is level with the road surface would restrict maintenance access and result in future operational problems.

The solution

Install with the bridge deck flush with the road surface.



The benefits

- New weighbridge installation removes trip hazard as it is flush with road surface
- Fall from height hazard is also eliminated
- Pit mounted weighbridge is designed such that maintenance is not a problem

Key points

- Consider that design solutions may create hazards and minimise these where possible, alternative solutions may be available which eliminate hazards
- It is more practical to eliminate hazards at design stage than to remedy issues after construction