

## Lifting of a steel gantry

A member of our supply chain had been engaged to remove a steel gantry spanning 34m across a motorway exit and one mainline carriageway. The plan was to use a crane to lift the gantry's girder off its supporting legs and to remove it from site.

The gantry was installed in 1986, pre-CDM Regulations, and there was no as-built information available. There were typical detail drawings of the gantry.

The drawings did not include details on the lifting lugs found on the gantry in the four upper corners (below). The lifting lugs had no assessment calculation or inspection to confirm their suitability for use in the lifting operation of the gantry's girder. After the lifting operation, it was noted that the lifting lugs showed signs of being distressed / damaged.



## Actions

- Ensure that all elements within the load path, to be lifted by a crane, are assessed and checked by a competent person
- All lifts of this nature are considered complex and require a detailed lifting plan
- The lifting plan needs to identify the means of attachment to the load as well as a checked calculation of the loads weight
- If there is any doubt as to the suitability of plant / equipment, method of lifting or competence of personal, the lift should be postponed until concerns are satisfied
- A full investigation has been carried out and we will share learning from this

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