

CCTV Mast Failure

Safety Alert

November 2018

Incident Description

On the 21st November 2018 a CCTV mast failed, which then collapsed onto a live carriageway and was hit by a heavy goods vehicle resulting in a serious road traffic accident. No serious injuries were sustained.



CCTV similar installation

CCTV Holding down arrangement

The holding down arrangement consisted of ungrouted bolts and with the base of the mast set on levelling nuts.

Inspection of the mast indicated progressive failure of the holding down bolts. Failure has occurred over time (see photograph of a corroded bolt). Greased tape corrosion protection was evident above the baseplate but not below where the bolts have corroded and failed. This area would be difficult to inspect.



What should have happened?

The structure should have been recorded as an asset on both SMIS & TPMS and subject to inspection and maintenance procedures using Highways England's Standards and Asset Management procedures.

This includes bi-annual General Inspections and six yearly detailed Principal Inspections which would enable deterioration or damage to be identified and managed.

Actions to be taken

Providers are to ensure that:-

- Structures assets are recorded on relevant databases; and
- Structures are maintained using Highways England's Standards and Asset Management Procedures.

Inspections should be undertaken by competent employees and in accordance with [BD 63/17](#).

Consideration should be given to the integrity of vulnerable details including holding down systems, bolt tightness and effectiveness of corrosion protection measures.

Where CCTV masts with this vulnerable holding down arrangement are identified a record of the inspection should be emailed to

stephen.dennis@highwaysengland.co.uk

The investigation is ongoing and further details / guidance will be made available if required.