



# Sign Installation on Lighting Column

WLD.028

## Description of Event

*Signage was proposed to fit on to an existing lighting column which has the potential to make this unstable due to wind loading.*

### Population at Risk

Construction and Maintenance Workers, Inspectors and Travelling Members of Public (MoP)

### Hazardous Activity and Residual Risk Description

- Installation of signs on light columns may expose workers and the public to unstable structures in permanent condition.
- An assessed residual risk of a likelihood of serious to major harm.

### Potential consequences of this event

- The failure of signage may result in impact and crush injuries to workers and the public passing through the column.
- Failure to identify the light column wind loading capacity in an actual project.

### Safety Hub [Alert Database](#)

- Filtering by text “signs” and “lighting column” in the Subject Description category has 3 alerts.

### Potential Mitigation Measures



#### Design

- Eliminate any potential failing risk. Undertake an extra wind loading assessment if needed.
- Provide information on the loading limits of the light column design.
- Ensure the information is accurate when provided by an external company.
- Assess structures to confirm loading capacity and ensure this is included in the PCI.

#### Construction

- Review the designed access proposal for suitability of actual column conditions.
- Raise queries and ask for advice when making new design changes.
- Works Coordinator to liaise with supervisory site staff to ensure they are aware of all the potential risks when mounting signs to existing structures.

#### Maintenance / Operations

- Always be aware of the possibility of signage failing. Report the situation if there is any problem spotted.

### Further Guidance and Reading

- [RtB 26](#) – Safety by Design
- [MCHW Series 1300](#) – Road Lighting Columns and Brackets
- [CG300](#) – Technical approval of highway structure
- [CD 354 – Design of Minor Structures](#)
- [IHE – Sign Structures Guide 2021](#)



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LEAN

Improved end user benefits

Reduced Defects

Reduced Reportable Accidents