

|                                   |   |                         |                       |                    |
|-----------------------------------|---|-------------------------|-----------------------|--------------------|
| <b>Project:</b>                   | Lighting Column Installation/Positioning                          | <b>RA No:</b>           | 97                    | <b>Review Date</b> |
| <b>Operation / Task:</b>          | Positioning and securing lighting columns using HIAB lorry loader | <b>Persons at risk:</b> | Fitter, HIAB Operator | <b>31/01/2027</b>  |
| <b>Location / Area:</b>           | Bradford Depot  | <b>Public at risk:</b>  | No                    |                    |
| <b>Monitoring Responsibility:</b> | Site Manager, Site Foreman, HSQE Team.                            |                         |                       |                    |

**KEY**

**S = Severity Rating**

**L = Likelihood of Occurrence**

**RR = Risk Rating**

|                          |                        |   |   |    |    |    |    |   |
|--------------------------|------------------------|---|---|----|----|----|----|---|
| 1. Negligible            | 1. Improbable          | 5 | 5 | 10 | 15 | 20 | 25 | <b>R</b> Unacceptable risk, plan out or add further controls.<br><b>O</b> Acceptable only if no other method viable & with high level controls in place.<br><b>Y</b> Acceptable with suitable controls.<br><b>G</b> Acceptable, no further action required. |
| 2. Minor Injury          | 2. Remote 1 – 10%      | 4 | 4 | 8  | 12 | 16 | 20 |   |
| 3. Major Injury (RIDDOR) | 3. Possible 10 – 50%   | 3 | 3 | 6  | 9  | 12 | 15 |   |
| 4. Fatality              | 4. Probable 50 – 90%   | 2 | 2 | 4  | 6  | 8  | 10 |   |
| 5. Multiple Fatality     | 5. Almost certain 90%+ | 1 | 1 | 2  | 3  | 4  | 5  |   |

Severity

Likelihood

| Activity                                    | Hazards/Risks Identified  | Risk Rating |   |    | Control Measures  | Residual Risk |   |    | Responsibility                      |
|---|---|-------------|---|----|---|---------------|---|----|-------------------------------------|
|   |   | S           | L | RR |   | S             | L | RR |                                     |
| Positioning lighting columns using 64T HIAB | Crush injuries from moving plant or suspended loads.<br>Load swing.<br>Striking structures or personnel.<br>Failure of lifting accessories.<br>HIAB mechanical failure. | 4           | 4 | 16 | <ul style="list-style-type: none"> <li>Work to be completed by CPCS/NPORS/ALLMI competent personnel.</li> <li>HIAB operated in accordance with RA25 – Use of HIAB Lorries, manufacturer instructions and CPA–ALLMI guidance.</li> <li>Work area fully barriered off; exclusion zone to be maintained at all times.</li> <li>Operator to maintain full visibility of load path.</li> <li>Tag lines used to control column movement and prevent uncontrolled rotation.</li> <li>Clear communication maintained between fitter and operator at all times.</li> <li>No personnel permitted beneath suspended loads or within slewing radius.</li> <li>HIAB movements stopped immediately if fitter enters the red zone.</li> <li>All lifting accessories (straps, shackles, tag lines) LOLER-certified, in-date and visually inspected before use.</li> <li>Lifting accessories must not be used if contaminated, cut, frayed, knotted or showing stitching damage.</li> <li>Correct sling angle maintained to avoid overloading straps.</li> <li>HIAB lorry loader to have a valid and in date LOLER Thorough Examination.</li> <li>Daily HIAB pre-use checks completed (hydraulics, hoses, boom, slew ring, stabilisers).</li> <li>HIAB taken out of service immediately if any safety critical defect is found. Defect reporting procedure to be followed.</li> <li>Safe System of Work in place (SSOW 36).</li> </ul> | 4             | 2 | 8  | HIAB Operator, Fitter, Site Manager |

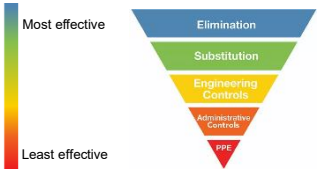
|                                   |   |                         |                       |                    |
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| <b>Location / Area:</b>           | Bradford Depot  | <b>Public at risk:</b>  | No                    |                    |
| <b>Monitoring Responsibility:</b> | Site Manager, Site Foreman, HSQE Team.                            |                         |                       |                    |

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Severity

Likelihood

| Activity   | Hazards/Risks Identified  | Risk Rating |   |    | Control Measures   | Residual Risk |   |    | Responsibility              |
|--|---|-------------|---|----|--|---------------|---|----|-----------------------------|
|  |   | S           | L | RR |  | S             | L | RR |                             |
| Positioning lighting columns using 64T HIAB        | Overturning of HIAB due to unstable ground or incorrect stabiliser deployment. Contact with overhead services.                    | 4           | 4 | 16 | <ul style="list-style-type: none"> <li>HIAB only operated on firm, level ground with adequate bearing capacity. Stabilisers fully deployed with spreader pads; legs extended symmetrically.</li> <li>Ground visually checked. Stop work immediately if ground movement, sinking or instability is observed.</li> <li>Weather monitored; do not operate in high winds (in accordance with the HIAB manual and Beaufort guidance).</li> <li>Operator familiar with emergency lowering procedures in the event of instability.</li> <li>Confirmed no overhead services are present in the work area.</li> </ul>   | 4             | 2 | 8  | HIAB Operator, Site Manager |
| Positioning columns into existing root foundations | Pinch points during alignment. Column movement before securing. Instability prior to backfill. Contact with underground services. | 4           | 4 | 16 | <ul style="list-style-type: none"> <li>Root foundations already installed; visually checked for correct depth and diameter (BS EN 40-2), no cracking or voiding, and drainage fall at top of concrete.</li> <li>Fitter uses tag lines only; no hands placed under suspended load at any time.</li> <li>HIAB holds column vertical until stable and fitter confirms alignment.</li> <li>Pea gravel placed in 150mm layers and compacted to prevent rotation.</li> <li>Area kept clear of debris, uneven ground and trip hazards.</li> <li>If column becomes unstable at any point, operator to immediately re-secure using HIAB.</li> <li>Confirmed no live underground services present in the work area. Where potential underground services are identified, work must stop, further guidance sought and work completed in accordance with HSG47.</li> </ul> | 4             | 2 | 8  | Fitter, HIAB Operator       |

|                                   |   |                         |                       |                    |
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| <b>Location / Area:</b>           | Bradford Depot  | <b>Public at risk:</b>  | No                    |                    |
| <b>Monitoring Responsibility:</b> | Site Manager, Site Foreman, HSQE Team.                            |                         |                       |                    |

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|   |   |    |    |    |    |   |
|---|---|----|----|----|----|---|
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| 4 | 4 | 8  | 12 | 16 | 20 |   |
| 3 | 3 | 6  | 9  | 12 | 15 |   |
| 2 | 2 | 4  | 6  | 8  | 10 |   |
| 1 | 1 | 2  | 3  | 4  | 5  |   |
|   |   | 1  | 2  | 3  | 4  | 5   |

Severity

Likelihood

| Activity                            | Hazards/Risks Identified   | Risk Rating |   |    | Control Measures  | Residual Risk |   |    | Responsibility              |
|-------------------------------------|--|-------------|---|----|---|---------------|---|----|-----------------------------|
|                                     |  | S           | L | RR |   | S             | L | RR |                             |
| Protecting column root section      | Damage to corrosion protection on column root section.               | 3           | 3 | 9  | <ul style="list-style-type: none"> <li>No metal tools or plant to strike the galvanised root section.</li> <li>Controlled lowering using tag lines to prevent impact damage.</li> <li>Any coating damage reported immediately for repair before electrical works commence.</li> </ul>   | 3             | 1 | 3  | Fitter                      |
| Working around moving plant/vehicle | PPI. Unexpected movement, poor visibility, collision with jack legs. | 4           | 4 | 16 | <ul style="list-style-type: none"> <li>Exclusion zone maintained at all times; barriers in place.</li> <li>Operator aware of jack-leg positions.</li> <li>Stop work if anyone enters exclusion zone.</li> <li>HIAB not moved unless fitter is clear and has confirmed safe repositioning.</li> </ul>  | 4             | 2 | 8  | HIAB Operator               |
| Weather conditions                  | Load instability in wind. Slips/trips. Cold/heat exposure.           | 4           | 3 | 12 | <ul style="list-style-type: none"> <li>Weather monitored; no work permitted in high winds.</li> <li>Suitable PPE available and worn (waterproofs, gloves).</li> <li>Ground checked for standing water or slippery surfaces.</li> <li>Additional breaks in welfare if required.</li> <li>If weather deteriorates suddenly, load lowered to ground and task suspended.</li> </ul> | 4             | 1 | 4  | HIAB Operator, Site Manager |
| Lone working                        | Injury without immediate assistance.                                 | 4           | 4 | 16 | <ul style="list-style-type: none"> <li>Two-person team at all times; no lone working permitted during the task.</li> <li>Both personnel to carry mobile phones; emergency contact numbers known.</li> </ul>   | 4             | 1 | 4  | Site Manager                |

|                                   |   |                         |                       |                    |
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**RR = Risk Rating**

Most effective  
Least effective

|                          |                        |   |   |    |    |    |    |
|--------------------------|------------------------|---|---|----|----|----|----|
| 1. Negligible            | 1. Improbable          | 5 | 5 | 10 | 15 | 20 | 25 |
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Likelihood

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| Activity                  | Hazards/Risks Identified   | Risk Rating |   |    | Control Measures  | Residual Risk |   |    | Responsibility              |
|---------------------------|--|-------------|---|----|---|---------------|---|----|-----------------------------|
|                           |  | S           | L | RR |   | S             | L | RR |                             |
| Site emergency situations | Delayed response to injury, collapse, fire, plant failure or entrapment. | 4           | 4 | 16 | <ul style="list-style-type: none"> <li>Site emergency arrangements briefed to both personnel before work starts.</li> <li>Nearest muster point, first aid station and AED identified.</li> <li>Emergency first aiders available on site.</li> <li>HIAB operator trained in emergency lowering procedures.</li> <li>In the event of entrapment or crush risk, operator to immediately activate emergency stop and stabilise load.</li> <li>If column becomes unstable or begins to fall, personnel to retreat to safe distance and allow HIAB operator to control or lower load.</li> <li>Spill kits available for hydraulic leaks.</li> </ul> | 4             | 1 | 4  | Site Manager, HIAB Operator |

**Risk Assessment Prepared By:**

Paul Lynch

**Signature:**

**Date:**

11/06/2026

**Risk Assessment Reviewed By:**

Daniela Rizvan

**Signature:**

**Date:**

11/06/2026



Owner: Head of HSQE

Version: 3

LF263

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**Internal Use**

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