WORKPLACE TRANSPORT

Workplace transport risk assessment: construction-type site

This is a starting point. Your assessment must reflect your own site: walk it, talk to the people who drive and work there, and change anything that doesn't fit.

Company and site	Assessed by	Date	Review date

Hazard	Who might be harmed	Typical controls (HSE)	How you'll check it's working	Source	Already in place?	Action by whom / by when	Done
Every site with vehicles							
People on foot struck by vehicles where routes are shared or poorly separated	Employees on foot, visitors, contractors, visiting drivers out of their cabs	Separate pedestrian and vehicle routes, preferably entirely, following the paths people naturally walk ("desire lines"). Where not possible: markings and signs, raised kerbs, barriers or guard rails at building entrances and exits, corners, and places where people could step straight into a road. Separate vehicle and pedestrian doors, with vision panels.	Watch a busy hour: are people using the walkways, or cutting across? Note the shortcuts; they show where the route doesn't match the desire line. Re-check monthly and after any layout change.	HSG136 paras 47, 49, 50; INDG199 p1–2			
Vehicles too fast for the site, so drivers can't stop or avoid people	Pedestrians, other drivers	Fixed traffic calming (speed humps, narrowed routes, rumble strips), checking they don't make some vehicles unstable (most lift trucks can't take humps). Speed limits that suit the vehicles and loads, are based on measured actual speeds, are clearly signed and are enforced.	Measure actual speeds on the main routes, as HSE suggests when setting limits, then spot-check after the limit is set.	HSG136 paras 62–64, 67; INDG199 p2–3			
Poor visibility at bends, junctions and crossings	Pedestrians, drivers	Avoid sharp or blind bends; where you can't, give enough visibility at junctions and bends, for example with convex mirrors. Signs placed so people can see and act on them in time, kept clean, reflective or lit if used in the dark. Road markings maintained, and faded ones replaced.	Walk each junction and crossing from the driver's seat and on foot. Can each see the other in time? Check mirrors and markings monthly.	HSG136 paras 61, 70, 72; INDG199 p2–3			
Reversing							
People struck by reversing vehicles	Pedestrians, banksmen, other drivers	Remove the need to reverse first: a one-way system, drive-through loading and parking, turning areas. If reversing can't be avoided: marked reversing areas; keep non-essential people out; fixed mirrors; reversing aids on vehicles (CCTV, sensors); a trained banksman only when all other options have been exhausted.	Count reversing moves in a busy hour, and where they happen. Are people in the reversing areas while vehicles move?	HSG136 paras 90–92, 94; INDG199 p3			
Vehicles reversing into structures or over edges	The driver, people nearby	Barriers, buffers, bollards or wheel stops that are visible and able to stop a vehicle at low speed; floor lines or guide rails to position the vehicle.	Check the stops for damage monthly; damage shows they are being hit.	HSG136 para 93			
Reversing aids relied on too much	Pedestrians	Know their limits. CCTV needs drivers to check it and react, needs clean lenses, and may not cover all blind spots. Alarms can be drowned out or ignored on a busy site. Test sensing systems regularly.	Include the camera, sensor and alarm on the daily vehicle check, and test that they work.	HSG136 paras 226–228, 230			

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Pedestrian routes and crossings							
People crossing vehicle routes at unmarked or dangerous points	Pedestrians	Marked, signposted crossing points with dropped kerbs; barriers or rails to stop crossing at dangerous points; deterrent paving to guide people to the crossing. Clear sight in all directions at crossings. Consider traffic flows, vehicle types and pedestrians' likely behaviour when siting crossings.	Watch where people actually cross. Do most use the crossing? If not, either the crossing is in the wrong place or the barrier is missing.	HSG136 paras 51–53; INDG199 p2			
Members of the public in work areas	The public	Keep public routes separate from work and segregated from vehicles, with clear signs. "The public should not be allowed in lift-truck operating areas." Consider scheduling deliveries outside opening hours.	Check signs and barriers on public routes during opening hours.	HSG136 paras 55, 57–58; L117 para 124 (same sentence in HSG136 para 58)			
Night work or low light							
Drivers and pedestrians can't see each other in poor light	Pedestrians, drivers	Suitable and sufficient lighting on routes, manoeuvring areas and yards, especially near junctions, buildings, plant and pedestrian routes. Avoid sudden changes in light level, for example leaving a dark warehouse into bright daylight. Reflective or lit signs where used in the dark.	Walk the site on a night shift, not only by day. Note dark spots and failed lights.	HSG136 paras 70, 74–75; INDG199 p3			
Vehicles hard to see	Pedestrians	Make vehicles visible: extra lights, reflectors, beacons, horns.	Include lights and beacons on the daily vehicle check.	HSG136 paras 222, 230			
Contractors							
Contractors and visitors who don't know the site rules	Contractors, visitors, site staff	Visiting pedestrians report to the site office and are told the site safety policies and procedures before entering vehicle areas; hi-vis where appropriate. Co-ordinate arrangements with their employer.	Ask a contractor on site what the vehicle rules are. Check the sign-in records against who is on site.	HSG136 paras 48, 126			
Drivers							
Drivers not trained for this site, or not following the rules	Drivers, pedestrians	Training covering the site's routes, how to report faults and hazards, speed limits, parking and loading areas, PPE, supervision and emergency procedures. "Even experienced people should be monitored to make sure they are working in accordance with both the training they have received and any safe systems of work."	Observe driving against the site rules on different shifts, including nights and weekends, as HSE says to monitor. Record what you find.	HSG136 paras 248–249			
Vehicle defects	Drivers, pedestrians	Daily checks signed off before use; a simple way to report problems and take a vehicle out of use; planned maintenance.	Check that daily check sheets are being completed and that reported defects get fixed.	HSG136 paras 230–231			

Also read, for a construction-type site: Construction (Design and Management) Regulations 2015, regulation 27(1): "A construction site must be organised in such a way that, so far as is reasonably practicable, pedestrians and vehicles can move without risks to health or safety." Further reading: HSE The safe use of vehicles on construction sites (HSG144)

If the site is complex or you are not sure the controls are enough, get competent help. Regulation 7 of the Management Regulations 1999 requires every employer to appoint competent help with health and safety.

Next: put the routes, crossings and loading areas into a traffic management plan.