

Designing for community safety and construction logistics

The Problem/Challenge

Without good design and mitigation, vehicle movements, particularly HGVs, present disproportionate risk of fatal or personal injury collision with pedestrians, cyclists and motorcyclists. In 2018 alone, 5,514 people were killed or injured in collisions with vehicles commonly used in construction.

The Risks

To prevent death or personal injury, or withholding of planning consent, designers must visibly consider and minimise the risk of harm (collision, emissions, congestion) to the community arising from construction and post-construction vehicle movements.

The Solution

Early stage discussions between the client, design and construction teams (or representative) are essential. They must consider significant material and component choice, site layout (permanent and temporary), vehicle movements, cycle traffic and pedestrian flows for during construction, building operation and demolition; fire brigade access is already a statutory requirement. The site plan should highlight key risks and mitigation measures to prevent misunderstanding or ill-considered removal later in the project.

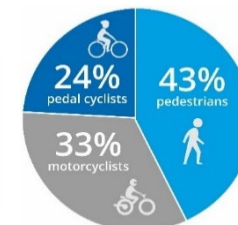
The Benefits

Good design and construction logistics plans collaboratively considered by clients, designers and contractor representatives at outline and detailed planning stages significantly reduces collisions, complaints, emissions and congestion. Communicating the risks and mitigations is hugely important too.

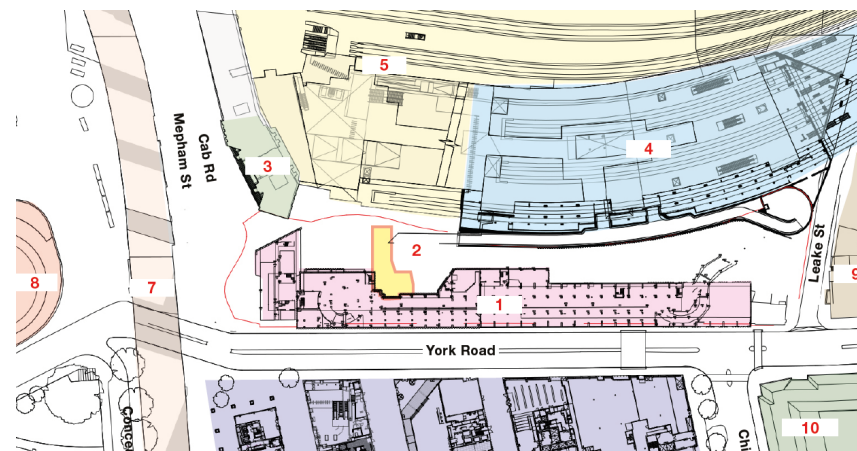
Key Points

Identification and mitigation early in the design process embeds solutions into the master-planning or planning application site and buildings layout. Use of [CLOCS](https://www.clocs.org.uk) aware representatives or construction logistics consultant will help identify key constraints and avoid or eliminate the risks right from the start of the project. This is a key component of the “principles of prevention” at design stages and NOT just something left to material suppliers / fleet operators to address.

Ensuring the safest construction vehicle journeys:
Every year, 500 people are killed or seriously injured in collisions with HGVs



The CLOCS Standard places responsibilities on key stakeholders in a construction project including the operator of any vehicles servicing that project:



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Planners welcome considered designs and safe plans

Consider using hoardings to inform and involve the community



A1 public engagement poster



Example site hoardings



Vinyl banner – 240cm x 60cm