



## Construction Risks

This is a list of 30 risks that impact Construction projects. This is not an exhaustive list but is a good starting point for your [risk register](#). It doesn't include risks associated with particular areas of construction for example right of way risks or environmental risks.

### List of 30 Construction risks

- Aerially deposited lead (ADL) from historic use of leaded petrol/gasoline is discovered late.
- Changes require additional resources or different resources than predicted causing resourcing conflicts/delays.
- Choice of plant or cranes is found to be unsuitable during construction.
- Construction staging (storage) areas are not large enough.
- Contractual disputes between client and contractor or contractor and subcontractor.
- Deep excavations needed in bad ground leading to risk of collapse, falling materials etc.
- Designs for temporary excavation and shoring system are not correct
- Errors in method statements lead to delays.
- Errors in the quantity surveys.
- Failure to achieve the quality required and/or functional requirements of the build.
- Falsework design is not sufficient for example it is not complete or accurate.
- Fire risk from arson, construction technique or removal waste.
- Liquidated and ascertained damages are insufficient to cover costs if project finished late.
- Multiple Change requests are needed due to unexpected site conditions
- New or innovative technology is used in the construction which may lead to unforeseen complications and delays.
- Not enough time allowed for getting Permits
- Overhead power lines not identified and found obstruct construction work
- Poor inaccurate or over optimistic contract time estimates
- Road closures or partial street closures are delayed because of inadequate coordination and planning. For example not informing the community or not given sufficient notice of works.



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- Sensitive or protected habitats delay demolition or construction for example Bat habitat.
- Special parts or equipment has to be manufactured to provide the utilities leading to longer lead times and delays to start of construction.
- Subcontractor delay or resourcing problem.
- Subcontractor in has financial issues/cash flow issues.
- Theft from the site by workers or break-ins caused by insufficient security.
- Unexpected buried man-made objects or hazardous waste is found onsite.
- Unexpected paleontology or archaeological artefacts found.
- Unidentified utilities for example gas pipes are found on site.
- Water table is found to be higher than expected or changes resulting in the need for dewatering.
- Work or design takes longer than expected leading to temporary construction easements expiring.
- Working at height and management of associated hazards leads to delays and increased cost.

#### More resources on construction and risk management

- [Construction Management](#)
- [Construction Risk Management](#)
- [Risk Assessment](#)
- [Risk Management](#)
- [Risk Mitigation](#)
- [Risk Register template](#)
- [Safety Method Statement](#)