

Demolition of Unusual Structures

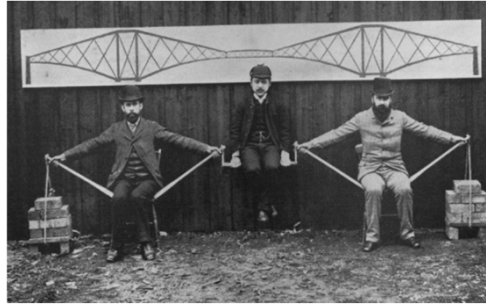
Demolition is something that designers do not typically consider during the design stage, all the focus is on getting the structure built. So what demolition information is required in the Health and safety file? - Any unusual or hidden residual risks such as suspended and cantilevered features, post-tensioned and pre-stressed elements, etc. In addition any pre-assembled modules may not be suitable to lift during demolition unless some form of temporary bracings or lifting lugs are re-installed.

The Risks

Unusual or hidden structural or services related elements can be accidentally damaged or incorrectly cut during future refurbishment or demolition works causing catastrophic collapse of the structure. Pre-Tensioned elements are a particular high risk that need to be clearly identified.



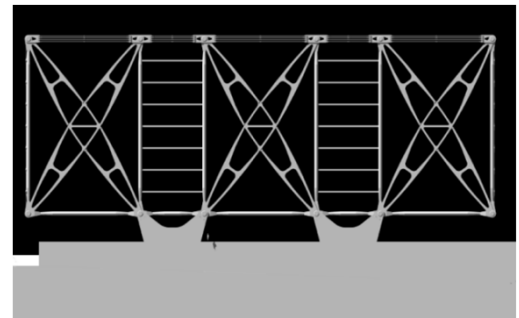
Suspended Stairs



Bridges



Modular Components



Large Cantilevers

The Solution

Indicate on drawings where these issues are hidden so future designers and contractors can plan appropriately for temporary support or safe demolition.

The Benefits

Reduced risk of collapse and injuries

Key Points

- Identify significant issues only.
- No need to indicate obvious and normal structural and constructional issues which are easily identified by future competent designers and contractors.
- Too much irrelevant information will hide the real issues.
- Indicate on graphic information where possible.