



Description of Event

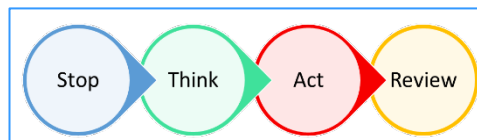
Designer identified standard design did not provide safe workplace.

Population at Risk

Construction Workers, Maintenance Workers and Site Visitors

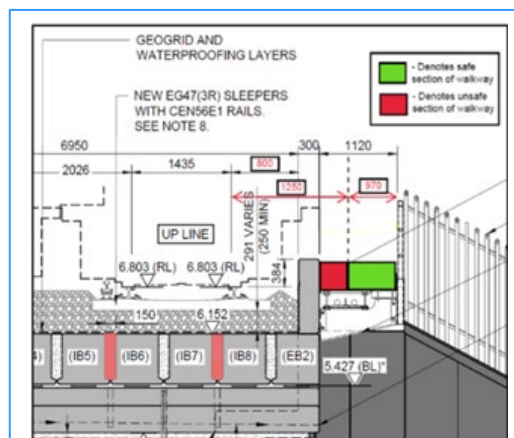
Hazardous Activity and Residual Risk Description

- Designer used a standard solution without confirming if it was appropriate for the site. This meant there would be insufficient width for workers to access without entering the safe clearance area.
- Workers being in the outer section of the walkway are at risk of being struck by a train which has an assessed residual risk of an almost certain likelihood of major harm.



Potential consequences of this event

- Site workers could expect the full width of the walkway to be safe to use unless otherwise informed. The risk of injury is introduced as site workers are unaware that harm may be caused when using a purpose-built walkway to access elements of the site.
- The residual risk requires the walkway to be reduced or the safe walking route to be indicated as well as an update to design standards.



Exert from drawing highlighting issue

Safety Hub Alert Database

- No issues on the database as of November 2022.

Potential Mitigation Measures

Design

- Designer should identify all parameters including safe workspace and how maintenance will be carried out within the safety zone, when considering a standard design solution.
- Where maintenance parameters cannot be met, redesign the solution or seek client approval for departure from standards.
- Where there is the risk of the full walkway not being safe in operation, designers could consider engineering control measures such as additional signage, lockout barriers or demarcation to highlight this hazard if determined acceptable.
- If the design includes a risk of harm to maintenance operatives' information about the risk must be provided in the residual risk register within the health and safety file/asset information model.



Construction

- Residual risk to be included in the health and safety file if installed using standard design solution.
- Demarcation lines to be used to highlight the 'safe' section of walkways where a risk of harm to workers remains.

Maintenance / Operations

- Refer to the residual risk register when developing RAMS.

Further Guidance and Reading

- NR-L2-OHS-069 Issue 3 'Lineside Facilities for Personal Safety'
- [RtB 26 – Safety by Design](#)



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LEAN

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