



Enabling Our People Improving Systems



Tunnel Site C elevates site safety and roadheader cable

The Rozelle Interchange Project is continuing its commitment to innovate above and below the ground, with Tunnel Site C recently adopting a safety-based innovation in the tunnels.

The innovation includes the removal of trailing cables from the ground and instead, hooks them to the wall, away from potential hazards.

Trailing cables are used in tunnelling to feed power to the roadheader. These electrical wires are heavy, difficult to handle and are often associated with various safety hazards.

Trailing cables traditionally live life on the tunnel floor and pose a risk as they can become damaged and cause a power outage in the tunnel. To ensure safety around the cable, tunnellers have previously used signage to mark their location, in an attempt to keep plant and people distant.

In response to the potential hazards, a JHCPB Roadheader Operator thought of a more significant safety innovation that minimizes many of the hazards associated with trailing cables.

A suggestion arose for the installation of rollers on the tunnel wall so that cable can spool out from the storage bin and connect to the roadheader while remaining off the ground and safely out of the line of fire of other plant operating in the busy tunnel headings.

This innovation removes the risk of plant or people cutting, tripping or pulling on the cable, while minimizing the amount of manual handling which was previously required.

The implementation of this safety contraption aligns with two of the project's enabling safety pillars: Enabling Our People and Improving Systems.



Controlling Critical Risks



Enabling Our People



Improving Systems



care. innovate. deliver.