



ROM Bin Brow Repair Redesign and Installation



Forefront Services was engaged to carry out repairs to the lower front area of a ROM bin brow. The parent metal had worn away and required significant in situ repairs. The proposed repairs included cutting out the plate and gusset sections then fabricating sections on site for welding back into place. This method of repair meant many hours of cutting then fabrication and welding in the replacement sections. All of this carried out in the underground environment.

Upon review of the work required, Forefront suggested to change the methodology and rather than carry out the in-situ repairs, a single replaceable lower section was designed and fabricated for installation. This replaceable section meant the in-situ requirement was only a single flange and a small section of internal plate. This reduced the requirement for onsite cutting and welding by at least 75% thus minimising hot works and fabrication underground. Having a replaceable section also allows for easy replacement in the future should the same level of damage occur again.

Forefront Services deliverables included:

- Design and engineering of the replacement brow.
- Manufacturing drawings and fabrication of the replacement brow section.
- Surface treatment (blast and paint in accordance with client specifications)
- On site installation

Forefront completed the project on time and on budget and the installation was completed within the allotted time during the planned outage.

Commodity:
Gold

Location:
New South Wales

Service:
Engineering Design, Fabrication and Site Installation

