

Cross River Rail Brisbane

Andrew was engaged as a specialist engineer to conduct a comprehensive review of the engineering methods and procedures used for the removal of two tunnel boring machines (TBMs) in the Cross River Rail Project.

This high-stakes task required a full technical assessment and oversight of the extraction process. Each TBM weighed over 700 tonnes and needed to be mechanically transported up a steep inclined ramp — a significant engineering and logistical challenge.



Key Expertise Applied

- ✓ **Heavy Load Skating Systems** – Reviewing designs and overseeing the mechanical movement of massive equipment.
- ✓ **Mechanical Jacking & Structural Systems** – Applying in-depth knowledge of load transfer and structural support.
- ✓ **Australian Standards Compliance** – Ensuring all procedures met rigorous local engineering codes and regulations.

Andrew's technical leadership and attention to engineering detail helped ensure the safe and successful removal of the TBMs, contributing to a major milestone in one of Queensland's largest infrastructure projects.

