PROJECT SUMMARY

The Wave Stage 2

CLIENT: LAING O'ROURKE | **PROJECT VALUE: $6BN** | **ENGAGEMENT PERIOD: DEC 2025 – MAR 2026**

PROJECT OVERVIEW

The Wave Stage 2 forms part of the Queensland Governments broader Sunshine Coast public transport program. The Wave Stage 2 is approximately 7km of dual-track rail extension which includes Aroona and Birtinya stations, Birtinya stabling facilities, a tunnel through Little Mountain, elevated rail structures and road interfaces.



Utilities Strategy & Design • Utilities & Project Management • Digital Engineering & Technical Modelling • ECI Tendering & Early Utilities Advisory

Croí's Role

Croí personnel were involved in:

- Utility design and management support during the ECI phase.
- Development and coordination of the project wide utility relocation strategy
- Review and refinement of reference utility design and conflict register
- Development of tender utility treatments, methodologies, quantities, packaging and cost estimates.
- Development of utility investigation works package in accordance with AS5488.
- Development of utility construction staging
- Integration of utility requirements into the overall project programme and construction planning.

Key Achievements

- Identified and rationalised utility conflicts across the project to establish clear treatment strategies
- Developed alternative treatments that reduced unnecessary relocations and refined the reference design.
- Identified opportunities to retain major infrastructure in situ where design changes are made.
- Developed a coordinated approach to utility investigations, avoiding duplication across adjacent assets and road interfaces.
- Established utility construction packages aligned with project locations, authorities and broader project construction sequencing.
- Developed utility construction programs and resource requirements to support tender pricing.
- Identified critical utility risks and provided advise to manage those risks.

Key Interfaces

- Queensland Department of Transport and Main Roads (TMR)
- Unity Water
- Energex/Energy QLD
- Telecommunication Carriers (Various)
- Project design teams
- Sunshine Coast City Council

Key Outcomes

- Improved confidence in the utility scope, cost and program for tender submission.
- Clear separation of contestable and non-contestable utility responsibilities.
- Improved visibility of Utility Authorities interfaces and long-lead activities.
- Utility Requirements incorporated into broader construction methodology and staging.