PROJECT SUMMARY

HBD & Australia Avenue Upgrade

CLIENT: BMD | **PROJECT VALUE: $246M** | **ENGAGEMENT PERIOD: MAY – SEP 2026**

PROJECT OVERVIEW

The Homebush Bay Drive and Australia Avenue (HBDAA) Intersection Upgrade is a Transport for NSW project at Sydney Olympic Park, upgrading the intersection, ramps and approaches along Australia Avenue and Underwood Road. BMD Constructions engaged Croí during the Early Contractor Involvement (ECI) phase to provide utilities design and management services for their tender.



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

Croí's Role

Croí personnel were involved in:

- Utilities management through the ECI and tender phase
- Utilities SMEs, leading the TfNSW interactives
- Review of the TfNSW reference design
- Utilities treatment review and update for all impacted assets
- Concept design for all relocations
- Utilities Impact and Design Registers, survey gap analysis and risk register
- Technical Advice Notices (TAN A and TAN B) for BMD's estimators
- Coordination with utility authorities

Key Achievements

- Assessed over 300 existing utility assets across 13 utility owners and set a treatment for each
- Developed a retain and protect base case for Ausgrid 132kV feeders, avoiding relocation of live transmission assets
- Worked closely with the road and pavement designers to develop a robust utility protection strategy
- Coordinated and simplified the relocation proposal for non-contestable designs
- Identified the program risk on complex SEA approvals and provided mitigation strategies to de-risk the construction program
- Assessed seven Sydney Water manhole adjustments against condition reports and advised on the vent shaft relocation

Key Interfaces

- TfNSW (Principal)
- BMD Constructions
- Ausgrid
- Sydney Water
- Jemena
- SOPA
- Telstra / NBN
- Other telco carriers

Key Outcomes

- Defined utilities scope and authority estimates to support BMD's tender pricing
- Base case avoids relocating live 132kV transmission assets
- High-risk interfaces identified early: Ausgrid 132kV, Sydney Water trunk sewer and SOPA assets