PROJECT SUMMARY

Elizabeth Drive & Mamre Road Upgrade

CLIENT: GAMUDA (TFNSW) | **PROJECT VALUE: $1BN** | **ENGAGEMENT PERIOD: 2026 – ONGOING**

PROJECT OVERVIEW

Transport for NSW is upgrading two key corridors supporting the Western Sydney International Airport and Aerotropolis: 14 km of Elizabeth Drive (The Northern Road to the M7) and 6.1 km of Mamre Road (Erskine Park Road to Kerrs Road), each to a four-lane divided carriageway with provision for six lanes. Croí is delivering utility detailed design and stakeholder management for Gamuda across both roads, with a separate design for each.



Utilities Strategy & Design • Utilities & Project Management • Digital Engineering & Technical Modelling • ASP3 Electrical Design

Croí's Role

Croí personnel are involved in:

- Utility design and stakeholder management (single point of contact)
- Utility authority applications, approvals and provider working groups
- 12d master utility model, 3D space proofing and clash analysis
- Sydney Water potable water designs and Out of Scope BPA / SEA
- Endeavour Energy ASP3 design – Transmission, 132kV, 33kV, HV, LV and streetlight supply
- Gas and telecommunications coordination
- Utility drawings and reports for DCD, SDD, FDD, IFC

Key Interfaces

- Gamuda
- TfNSW
- BMD
- GHD
- ARUP
- Endeavour Energy, Sydney Water, Jemena
- Telstra, Optus, NBN, Vocus, Xenith, FibreconX, TPG
- Private asset owners and developers

Key Achievements

Progress to date (October 2026):

- Croí won the tender with the JV and were engaged to deliver the detailed design due to their innovative utilities design
- Utility corridor moved to the project boundary, separating utility works from civil works
- Utilities can be built early and offline, so fewer temporary alignments
- Temporary relocations avoided: about 3.75 km of water and sewer, 1.4 km of gas, 7 km of communications and 5.3 km of electrical
- About 2.3 km of trenching saved by keeping existing water (1.5 km) and gas (0.8 km) mains

Key Outcomes

- Utility scope de-risked through early authority engagement
- Approved designs for all contestable and non-contestable relocation and protection works
- One coordinated 3D utility model feeding the federated BIM model and 12d set-out
- Utility submissions at each TfNSW milestone (DCD, SDD, FDD, IFC)