

Stage 4 Road Upgrades Design – Supplier Prequalification

(Published in accordance with the Australian Industry Participation (AIP) Plan, Ref: 33LSXHHC)

Overview

Powerlink Queensland is preparing to commence procurement of design-only contract for the required road upgrades as part of the CopperString Project.

Scope of Works

The selected consultant is expected to perform the services to the standard of skill, care and diligence expected of a skilled and competent professional practising in the particular fields relevant to the services, or such higher standard as the Consultant has represented in writing to Powerlink in response to this tender.

The Consultant shall:

- Participate and contribute to the assessment of the most appropriate, economical and fit for purpose solution for each location.
- Develop the detailed design, associated construction specifications and reporting which can be used for subsequent construct only contract and advise of required approvals from impacted asset (PUP) owner(s).
- Deliver the required detail design tasks within the specified timeframes
- Identify any clashes with other infrastructure assets (PUP and so on) and provide fit for purpose solutions to resolve issues
- Provide engineering advice which can be used to assist engagement activities with various stakeholders including other PUP asset owners
- Provide timely construction support services
- Provide post construction support services (production of as-constructed drawings)
- Attend and minute weekly design meeting
- Work co-operatively with Powerlink Queensland staff, the appointed Client's Representative and specialist staff
- Adapt to project change due to feedback or direction from key shareholders / stakeholders
- Be proactive to communicate issues / concerns during the detail design process.

The scope of services includes:

- Detail design of intersection upgrades in accordance with nominated engineering standards of the completed Transport Impact Assessment (TIA)
- Incorporation and design of recommendations from completed QR Gap Analysis assessments
- Detail design of property accesses

- Design of geometric improvements (both horizontal and vertical geometry) to predominately unsealed local government roads (mid-blocks) as outlined in the TIA
- Sweep path analysis to assist with construction planning and route assessments
- Fit for purpose hydraulic design for table drains and culverts in widening areas
- Structural assessment of culverts which have been identified requiring widening in accordance with TMR requirements.
- Structural assessment of grids, culverts and bridges on local government-controlled roads (i.e. excluding TMR, private roads and rail crossings) as for assets listed in Appendix 5 of the Traffic Impact Assessment to determine current condition and potential maintenance needs as outlined below:
 - Grids – Level 1 Inspections
 - Culverts – Level 1 Inspections
 - Floodway's – Level 1 Inspections
 - Bridges – Level 2 Inspections
- Detail design of fit for purpose pavements, road surfacings, delineation and road furniture
- Provision of additional investigations including potholing, engineering survey and geotechnical investigations to support design development.
- Co-ordination of the civil design packages with other consultants who are designing other project infrastructure (transmission lines, works accommodation facilities and substations)
- Provision of digital models (for information only to constructor), specifications, bill of quantities and RPEQ certified Issued for Construction drawings.
- Provision of engineering advice to support Client lead community engagement initiatives or response to feedback (community, elected member enquiries or government departments)
- Construction support (resolution of design related RFIs)
- Production of as-constructed drawings to relevant asset owner standards (TMR or local government)

Procurement Approach

The single stage tender (two envelope) involving both price (30%) and non-price criteria (70%) will be used to select the suitable consultant.

Indicative Timing

- Tender – Mid January 2026 to Mid Feb 2026
- Contract award and site mobilisation – Late Feb 2026
- Completion - Mid 2026.

Supplier Prequalification Requirements

Supplier are required to meet the following prequalification requirements:

- Department of Transport and Main Roads
 - Consultants for Engineering Projects: Level BD2, GE1, HD1, HE2, and TE1
- Queensland Rail
 - Approved QR External Engineering Organisation (EEO) vendor

Project Standards

All services and deliverables to comply with relevant TMR, Austroads, NTRO or local government standards.

Contact

Powerlink Queensland – CopperString

copperstring@powerlink.com.au

1800 635 369